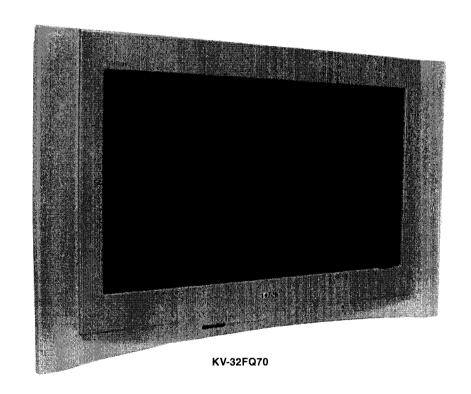


### **SERVICE MANUAL**

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-32FQ70B	RM-938	FR	SCC-Q83N-A	KV-32FQ70K	RM-938	OIRT	SCC-Q82J-A
KV-32FQ70E	RM-938	ESP	SCC-Q81Q-A	KV-32FQ70U	RM-938	UK	SCC-Q84N-A

### **FD** Trinitron





RM-938



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7. ELECTRICAL PARTS LIST

Picture Tube

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### 4. CIRCUIT ADJUSTMENTS

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### CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

### WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

### SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

### **ATTENTION**

53

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.....

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

### ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

### ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

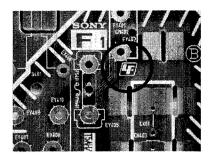
### **CAUTION**

### Lead Free Soldered Boards

The circuit boards listed below [Table 1] used in these models may have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. F1, H1 etc [ see examples ]. The servicing of these boards requires special precautions to be taken as outlined below.



example 1



example 2

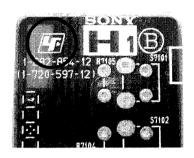


Table 1

Board	Function
С	R,G,B Out
F1	Power Switch/Fuse/SIRCS/Standby LED
н	Front AV Input/Headphone and Control Switches

It is strongly recommended to use Lead Free Solder material in order to guarantee optimal quality of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to http://www.sony-training.com

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
В	B/G/H, D/K, I, L	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03, F02-F10, B-Q UHF: E21-E69, F21-F69, B21-B69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
E	B/G/H, D/K	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03 UHF: E21-E69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
К	B/G/H, D/K	GERMAN/NICAM Stereo	VHF: E2-E12, R1-R12, S01-S03 UHF: E21-E69, R21-R69 CABLE TV: S01-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
U	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

	Flat Display FD Trinitron	Sound output			
Picture Tube	Approx 82 cm (32 inches) (Approx 76 cm picture measured diagonally)	Right and Left speaker Sub Woofer	2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)		
Input/Output Terminals	[REAR]	General Specifications	0		
Inputs for Audio and Video signal 1: 21-pin Euro connector (CENELEC standard)  Inputs for RGB. Outputs of TV Video and Audio		Power Requirements	220 - 240V		
<b>V</b>	signals.	Power Consumption	130W		
2:21-pin Euro connector	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals. (Monitor Out)	Dimensions	Approx 910x586x586mm		
	,	Weight	Approx 64kg		
3:21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)		RM-938 Remote Commander (1) IEC designated R6 battery (2)		
Phono Jacks	Output Connectors variable for Audio Signals	Other Features	100 Hz picture, DNR, Auto Noise Reduction Teletext, Smartlink, BBE, Virtual Doby		
Input/Output Terminals [	SIDE]	Remote Control System : Infrared Control			
Headphone jack	stereo mini jack				
Audio inputs	phono jacks	Power requirements	3V dc 2 batteries IEC designation		
Video inputs	inputs phono jacks		R6 (size AA)		
S Video input	4 pin DIN				

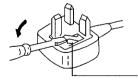
Model Name	KV-32FQ70B	KV-32FQ70E	KV-32FQ70K	KV-32FQ70U
Pal Comb	OFF	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	ON	ON
Woofer Box	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Scart 3	ON	ON	ON	ON
Side in (4)	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
Norm B/G	ON	ON	ON	OFF
Norm I	ON	OFF	OFF	ON
Norm D/K	ON	ON	ON	OFF
Norm AUS	OFF	OFF	OFF	OFF
Norm L	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
Teletext	ON	ON	ON	ON
Nicam Stereo	ON	ON	ON	ON

### WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **5 AMP** rating. Should the fuse need to be replaced, use a **5 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the **F** mark.

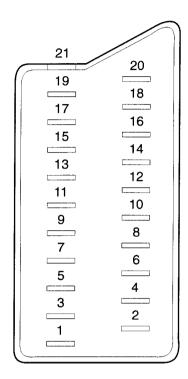
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **5 AMP FUSE**, otherwise the circuit should be protected by a **5 AMP FUSE** at the distribution board.



How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE

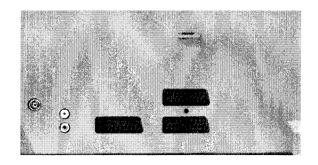


	1	1 _			4 *
Pin No	1	2	3	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8	0	0	0	Function select (AV control)	High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
15	+	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	0	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	-	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	Common ground (plug, shield)	

O Connected

Not Connected (open) \* at 20Hz - 20kHz

### Rear Connection Panel



### **Front Connection Panel**



S-Video socket

	S Video socket pin configuration							
Pin No	Signal	Signal Level						
1	Ground	-						
2	Ground	-						
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB						
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.						

### **AE-6B SELF DIAGNOSTIC SOFTWARE**

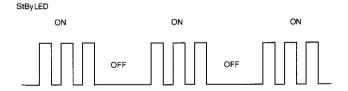
The identification of errors within the AE-6B chassis is triggered in one of two ways: -1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1, non fatal errors are reported using this method.

Each time the software detects an error it is stored within the NVM. See Table 2.

Table 1

Error Message	LED Code
No error	00
Reserved	01
OCP ( Over Current Protection )	02
Over Voltage Protection	03
No Vertical Sync	04
IKR Error at power on	05
IIC bus clock and/or data lines low at power on	06
NVM no IIC bus acknowledge at power on	07
Horizontal Protection	08
Tuner no acknowledge at power on	09
Sound Processor Error	10
Reserved	11
Scanrate Error	12
DAC Error	13
Backend Error	14
Dynamic Convergence Error	15
PIP Error	16

### Flash Timing Example : e.g. error number 3



### How to enter into Table 2

- 1. Turn on the main power switch of the TV set.
- Program Remote Commander for Operation in Service Mode. [See Page 22].
- 3. Press 'VIDEO' 'VIDEO' > 'MENU' on the Remote Commander.
- Using the Remote Commander, Scroll to the 'Error Menu' item using the down arrow key, then press the right arrow key.
- 5. The following table will be displayed indicating the error count.

Table 2

ERROR MENU			
E02 E03 E04 E05 E06 E07 E08 E09 E10 E11 E12 E13	OCP OVP VSYNC IKR IIC NVM HPROT TUNER SOUNDP - SCANRATE DAC	(0, 255) (0, 255)	0 0 0
E14 E15 E16	BACKEND DYN CON PIP	(0, 255) (0, 255) (0, 255)	0 0 0
WORKING TIME HOURS MINUTES			14 7

Note: To clear the error count data press '80' on the Remote commander.

The operating instructions mentioned here are partial abstracts from the 'Operating instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain as in the manual.

# Switching On the TV and Automatically Tuning

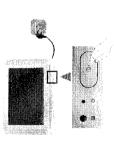
3) search and store all available channels (TV Broadcast) and 4) change the order in which enabling you to: 1) choose the language of the menu screen, 2) adjust the picture slant, the channels (TV Broadcast) appear on the screen.

However, if you need to change any of these settings at a later date, you can do that by selecting the appropriate option in the (Set Up menu) or by pressing the Auto Start Up Button \text{DP} on the TV set.

1 Connect the TV plug to the mains socket (220-240V AC,

turned on. If the TV is off, press the  $\mathbf{0}$  on/off button on the TV set to turn on the TV. The first time that the TV set is connected, it is usually

The first time you switch on the TV, a Language menu displays automatically on the TV screen.



2 Press the ◆ or ◆ button on the remote control to select the language, then press the OK button to confirm your selection. From now on all the menus will appear in the selected language.









3 Because of the earth's magnetism, the picture might slant. The Picture Rotation menu allows you to correct the picture slant if it is necessary.

a) If it is not necessary, press OK to select Not necessary.

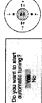
b) If it is necessary, press ◆ or ◆ to select Adjust now, between −5 and +5 by pressing ◆ or ◆ . Finally press then press OK and correct any slant of the picture OK to store.

GВ



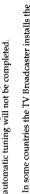


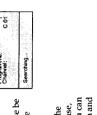
4 The Auto Tuning menu appears on the screen. Press the OK button to select Yes.



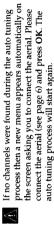


5 The TV starts to automatically search and store all available broadcast channels for you. This procedure could take some minutes. Please be patient and do not press any buttons, otherwise





the TV Broadcaster sends a menu in which you can select your city by pressing the 🔷 or 春 button and channels automatically (ACI system). In this case, In some countries the TV Broadcaster installs the OK to store the channels.







the Programme Sorting menu automatically appears After all available channels are captured and stored, on the screen enabling you to change the order in which the channels appear on the screen. 9

If you wish to keep the broadcast channels in the tuned order, go to step 7. æ

If you wish to store the channels in a different order: 1 Press the ◆ or ◆ button to select the programme number with the channel (TV Broadcast) you wish to rearrange, then press the **\Phi** button. 9

programme number position for your selected 2 Press the  $\Phi$  or  $\Phi$  button to select the new channel (TV Broadcast), then press OK.

Select Channel AV Confirm.

Repeat steps b)1 and b)2 if you wish to change the order of the other channels.







G. MENU

7 Press the MENU button to remove the menu from the

Your IV is now ready for use

continued..

# Introducing and Using the Menu System

Your TV uses an on-screen menu system to guide you through the operations. Use the following buttons on the Remote Control to operate the menu system:

1 Press the MENU button to switch the first level menu on.



 $2 \cdot \text{To highlight the desired menu or option, press} lacktriangle \text{or} lacktriangle$ 

• To enter the selected menu or option, press •

To return to the last menu or option, press ◆.

To alter the settings of your selected option, press ♥/◆/♦ or ♦

• To confirm and store your selection, press OK.



3 Press the MENU button to remove the menu from the screen.

MENO

GB

## Menu Guide

Level 2 Level 1

Level 3 / Function



PICTURE ADJUSTMENT
The "Picture Adjustment" menu allows you to alter the picture adjustments. To do this: after selecting the item you want to repeatedly to adjust it and finally press OK to alter press ♣, then press ♦/♠/♠ or ♦

store the new adjustment.

 This menu also allows you to customise the picture mode based on the programme you are watching: Picture Mode + Live (for live broadcast programmes, DVD and Digital Set Top Box receivers). Personal (for individual settings).

◆ Movie (for films).

Brightness, Colour and Sharpness can only be altered if "Personal" mode is selected.

• Hue is only available for NTSC colour signal (e.g.: USA video tapes).

Select Reset and press OK to reset the picture to the factory preset levels.

The Noise Reduction option is set to AUTO to automatically reduce the picture noise visible in the broadcast signal. To cancel this function, select "Off" instead of "AUTO".

continued.

Level 1	Level 2	Level 3 / Function
		SOUND ADJUSTMENT The "Sound Adjustment" menu allows you to alter the sound adjustments.
₩ ¥=388-		To do this: after selecting the item you want to alter, press ♦. Then press ♦ /♠ /♠ or ♦ repeatedly to adjust it and finally press OK to store the new adjustment.
Effect •	→ Natural:	Enhances clarity, detail and presence of sound by using "RRF Hieh Definition Sound system"*
	<b>♦</b> Dynamic	"BBE High Definition Sound system"* intensifies clarity and presence of sound for better intelligibility and musical realism.
	♦ Dolby**v	◆ Dolby**v: Dolby Virtual, simulates the sound effect of "Dolby Surround Pro Logic".
	♦ Off:	Flat response.
Treble	▶ ♦ Less	<b>◆</b> More
Bass	• • Less	<b>◆</b> More
Balance	▶ ♦ Left	◆ Right
Reset 🛇	,	Resets the sound to the factory preset levels.
Dual Sound	<ul> <li>For a steree broadcast:</li> <li>Mono.</li> <li>Eor a biringual broadcast:</li> <li>Mono (for mono ch</li> <li>A (for channel 1).</li> <li>B (for channel 2).</li> </ul>	n stree broadcast:  Mono. Stereo. a bilingual broadcast: Mono (for mono channel if available). A (for channel 1). B (for channel 2).
Auto Volume	◆ Off: volun ◆ On: volun the br	<ul> <li>Off: volume level changes according to the broadcast signal.</li> <li>On: volume level of the channels will stay the same, independent of the broadcast signal (e.g. in the case of advertisements).</li> </ul>
TV Speakers	♦ On: to list ♦ Off: to list audic	<ul> <li>On: to listen to the TV from the set speakers.</li> <li>Off: to listen to the TV from an external amplifier connected to the audio outputs on the rear of the TV set.</li> </ul>

\* The "BBE High Definition 2004 suite one corsu.

\* The "BBE High Definition Sound system" is manufactured by Sony Corporation under license from BBE Sound. Inc. It is covered by U.S. Patent No. 4,638,258 and No. 4,482,866. The word 'BBE" and BBE Symbol are trademarks of BBE Sound. Inc.

\*\* This Y has been designed to create the "Doubly Surround" sound effect by simulating the sound of four speakers with two speakers, when the broadcast andio signal is Dolby Surround encoded. The sound effect can also be improved by connecting a suitable external amplifier (for details refer to "Connecting to external andio Equipment" on page 21).

\*\* Manufactured under license from Dolby Laboratories. 'Dolby', "Pro Logic" and the double-D symbol III are trademarks of Dolby Laboratories.

• If you are listening to the TV through headphones, the "Effect" option will automatically be

switched to "Off

If you select "Dolby Virtual" on the "Effect" option, the "Auto Volume" option will
automatically be switched to "Off" and vice versa.

continued...

590 a Buirn

a) Preset channels or the VCR channel one by one to the programme order of your choice.

To do this:

4

**Programme** option highlighted press  $\Phi$ . Press  $\Phi$  or  $\Phi$  to select which programme number you want to preset the channel on (for VCR, select programme number "0"). After selecting the "Manual Programme Preset" option, press + then with Then press 🗣 **2** After selecting the Channel option, press ♦. Then press the number buttons to enter directly the channel number of the TV Broadcast or the channel of the VCR signal. If you do not know the channel number, press ♦ or ♠ to search for it. When you have tuned the desired channel, press OK twice to store.

Repeat all the above steps to tune and store more channels.

b) Label a channel using up to five characters.

To do this: Highlighting the **Programme** option, press the **PROG** +/- button to select the programme number with the channel you wish to name. When the programme you want to name appears on the screen, select the **Label** option and press  $\clubsuit$ . Next press  $\clubsuit$  or  $\spadesuit$  to select a letter, number or "-" for a blank. Press 🔷 to confirm this character. Select the other four characters in the same way. After selecting all the characters, press OK twice to store

best possible picture, however you can manually fine tune the TV to obtain a better picture Fine tune the broadcast reception. Normally the automatic fine tuning (AFT) will give the reception in case the picture is distorted. T

To do this: while watching the channel (TV Broadcast) you wish to fine tune, select the AFT option and press ♦. Next press ♦ or ♠ to adjust the fine tuning between -15 and +15. Finally press OK twice to store.

Skip any unwanted programme numbers when they are selected with the PROG +/-ਰ

To do this: Highlighting the **Programme** option, press the **PROG** +/- button to select the programme number you want to skip. When the programme you want to skip appears on the screen, select the **Skip** option and press  $\clubsuit$ . Next press  $\blacktriangledown$  or  $\spadesuit$  to select Yes. Finally press OK twice to confirm and store.

To cancel this function afterwards, select "No" instead of "Yes" in the step above.

GB

### **Teletext**

Teletext is an information service transmitted by most TV stations. The index page of the teletext service (usually page 100) gives you information on how to use the service. To operate teletext, use the remote control buttons as indicated below.

Teletext errors may occur if you use a channel (TV Broadcast) with a weak signal.

## To switch on Teletext:

After selecting the TV channel which carries the teletext service you wish to view, press 🔳

Input 3 digits for the page number, using the numbered buttons. To select a Teletext page:

## • If you make a mistake, retype the correct page number.

 If the counter on the screen continues searching, it is because the page is not available. If this is the case, input another page number

## To access the next or preceding page:

Press PROG + ( ) or PROG - (

## To superimpose teletext on to the TV:

Whilst you are viewing teletext, press 

Dress it again to cancel teletext mode.

В

## To freeze a teletext page:

Press • D/ Press it again to cancel the freeze.

## To reveal concealed information (e.g. answer to a quiz):

Press 🕒/🗗. Press it again to conceal the information.

### To select a sub page:

A teletext page may consist of several sub pages. In this case the page number that appears on the upper left corner will change from white to green and one or more arrows will appear next to the page number. Repeatedly press the  $\P$  or  $\P$  buttons on the remote control to watch the desired sub page.

## To Switch Off Teletext:

Press O

### Fastext

continued.

Fastext service lets you access Teletext pages with one button push.

When you are in Teletext mode and Fastext is broadcast, a colour coded menu appears at the bottom of the teletext page. Press the appropriate coloured button (red, green, yellow or blue) to access the page corresponding to your menu choice. ACI (Auto Channel

Auto Format. Installation).

## Additional Information | 23

# Remote Control Configuration for VCR/DVD

In it's default condition this remote control will operate the basic functions of this Sony TV, Sony DVDs and most Sony VCRs. To control VCRs and DVDs of other manufacturers (and some Sony VCR models), please complete the following steps:

- Before you start, look up the 3 digit code for your brand of DVD or VCR from the list below. On those brands that have more than one code, enter the first code number.
  - 1 Press the Media Selector button on the remote control repeatedly until the required green light (VCR or DVD) is lit. If Media Selector is on TV position, code numbers will not be stored.
- Before the green light goes out, press and hold the yellow button for approximately 6 seconds until the green light starts flashing.

**F** 7 ®®®0•4 ⊌0•0 300

- Whilst the green light is flashing, enter all three digits of the code for your brand of VCR or DVD using the number buttons on the remote control.
- If your selected code is entered correctly, all three green lights will be lit momentarily I momentarily.

**∮** 

- 4 Turn on your VCR or DVD and check that the main functions work.
- If your device is not working or some of the functions do not work please check that you entered the correct code set or try the next code listed against the brand.
- Your brand codes may be lost if weak batteries are not replaced within
  a few minutes. To reset your brand of DVID or VCR please repeat the
  above steps. A small label is added inside the battery door to allow you
  to record your brand codes.

20 4 1111 121	,	
of this plants are as a supplied that the suppli	•	
	covered.	

VCR Brand List	List	<b>DVD Brand List</b>	List
Brand	Code	Brand	Code
SONY (VHS)	301, 302, 303, 308, 309	SONY	001
SONY (BETA)	303, 307, 310	AIWA	021
SONY (DV)	304, 305, 306	DENON	018, 027, 020, 002
AIWA	325, 331, 351	GRUNDIG	009, 028, 023, 024, 016, 003
AKAI	326, 329, 330	HITACHI	025, 026, 015, 004
DAEWOO	342, 343	IVC	006, 017
GRUNDIG	358, 355, 360, 361, 320, 351	KENWOOD	800
HITACHI	327, 333, 334	57	015, 014
JVC	314, 315, 322, 344, 352, 353,	LOEWE	009, 028, 023, 024, 016, 003
	354, 348, 349	MATSUI	013, 016
57	332, 338	ONKYO	022
LOEWE	358, 355, 360, 361, 320, 351	PANASONIC	018, 027, 020, 002
MATSUI	356, 357	PHILIPS	009, 028, 023, 024, 016, 003
ORION	328	PIONEER	004
PANASONIC	321, 323	SAMSUNG	011, 014
PHILIPS	311, 312, 313, 316, 317, 318,	SANYO	200
	358, 359	SHARP	019, 027
SAMSUNG	339, 340, 341, 345	THOMSON	012
SANYO	335, 336	TOSHIBA	003
SHARP	324	YAMAHA	018, 027, 020, 002
NOWOHL	319, 350		
TOSHIBA	337		

### Specifications TV system:

TV system:	Front	Front Terminals	Accessories supplied:
I	<b>(1)</b>	S Video input – 4 pin	1 Remote Control (RM-938)
Colour custom:		DIN	DIN 2 Batteries (IEC designated,
PAL	<del>Q</del>	• 4 video input - phono	AA size)
SECAM, NTSC 3.58, 4.43 (only jack	,	jack	Other features:

jack

4 audio input – phono headphones jack

100 Hz picture, Digital Plus

Teletext, Fastext, TOPtext

instruction Manual of your between your TV set and a compatible VCR. For more information on SmartLink, (250 page TEXT memory). SmartLink (direct link please refer to the · Sleep Timer.

 $2 \times 20$  W (music power)  $2 \times 10$  W (RMS) Woofer:

Sound Output:

30 W (music power) 15 W (RMS) Power Consumption:

> 71 cm mesaured diagonally). 82 cm mesaured diagonally).

KV-32FQ70U: 32" (approx

KV-28FQ70U: 28" (approx.

Flat Display FD Trinitron

Channel Coverage:

Video In)

I: UHF B21-B69 Picture Tube: Dolby Virtual.

BBE Digital.

 KV-28FQ70U: 125 W
 KV-32FQ70U: 130 W Standby Power

◆1/ ←1 21-pin scart

Rear Terminals

connector (CENELEC standard)

Dimensions (w x h x d) : Consumption: 0.3 W

including audio/video input, RGB input, TV

• KV-28FQ70U: approx. 789 x 533 x 521 mm. 42/ €2 21-pin Scart (CENELEC standard) audio/video output.

• KV-32FQ70U; approx. 910 x 586 x 586 mm. including audio / video input, RGB input, monitor audio/video output.

approx. 46.5 Kg. • KV-32FQ70U: approx. 64 Kg. KV-28FQ70U: Weight:

audio / video input, S video

input, selectable

standard) including

connector (CENELEC

⊕3/ €3 21-pin Scart

(SMARTLINK)

audio / video output and Smartlink interface.

Q- audio outputs (Left/ Right) - phono jacks

Design and specifications are subject to change without notice. Ecological Paper - Totally Chlorine Free

when the Media Selector has been set correctly. Enter the necessary code set as explained in the "Remote Control Configuration for VCR/DVD" chapter of this instruction manual (see page 22).

• Replace the batteries.

Contact your nearest Sony service centre.

The standby indicator & on

the TV flashes.

picture reception (see page 15).

• Using the menu system, select the "Noise Reduction" option in the "Picture Adjustment" menu and select "Auto" to reduce the noise in the picture (see page 19).

 Using the menu system, select the "Manual Programme Preset" menu and adjust Fine Tuning (AFT) to obtain better

Noisy picture when viewing a TV channel.

• Using the menu system, select the "Picture Rotation" option in the "Detail Set Up" menu to correct the picture slant (see

page 16).

Solution

Picture slanted

Problem

Check that the Media Selector on the remote control is set to
the device you are using (VCR, TV or DVD).
 If the remote control does not operate the VCR or DVD even

Remote control does not

function.

## **Troubleshooting**

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Solution
No picture (screen is dark) and no sound.	<ul> <li>Check the aerial connection.</li> <li>Plug the TV in and press the <b>(D)</b> button on the front of the TV.</li> <li>If the standby indicator <b>(D)</b> is on, press <b>TV</b>  /<b>(D)</b> button on the remote control.</li> </ul>
Poor or no picture (screen is dark), but good sound.	Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to the factory settings (see page 9).
No picture or no menu information from equipment connected to the Scart connector.	• Check that the optional equipment is on and press the  • Dutton repeatedly on the remote control until the correct input symbol is displayed on the screen (see page 21).
Good picture, no sound.	Press the ∠+ button on the remote control.     Check that "TV Speakers" is "On" in the "Sound Adjustment" menu (see page 10).     Check that headphones are not connected.
No colour on colour programmes.	Using the menu system, select the "Picture Adjustment" menu and select "Reset" to return to factory settings (see page 9).
When you switch on the TV the last channel you were watching before switching the TV off does not appear.	• This is not a malfunction. Press the number buttons on the remote control to select the desired channel.
Distorted picture when changing programmes or selecting teletext.	• Turn off any equipment connected to the Scart connector on the rear of the TV.
Wrong characters appear when viewing NexTView.	• Use the menu system to enter the "Language" menu (see page 13) and select the same language that NexTView is broadcast in.

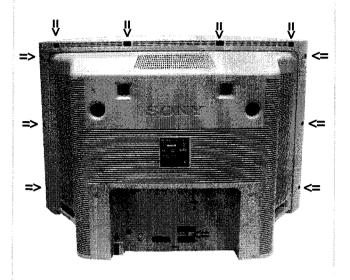
If you continue to experience problems, have your TV serviced by qualified personnel.

Never open the casing yourself.

continued...

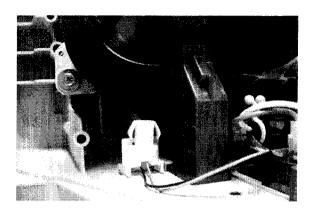
### **SECTION 2 DISASSEMBLY**

### 2-1. Rear Cover Removal



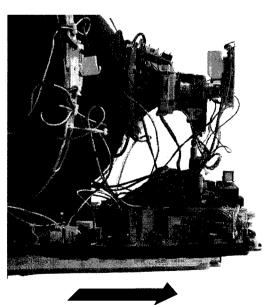
Remove the rear cover fixing screws indicated and pull the rear cover backwards away from the set.

### 2-2. Speaker Connector Disconnection

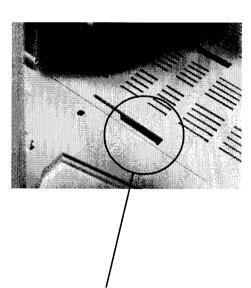


Before completely removing the rear cover disconnect the speaker connector which is located on the inside of the set.

### 2-3. Chassis Removal and Refitting

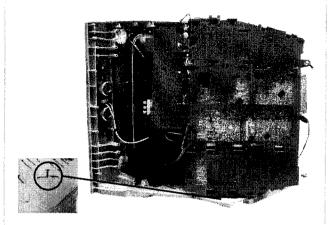


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



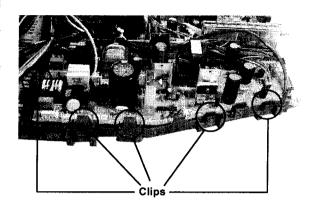
When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the inter-connecting leads in their respective purse locks.

### 2-4. Service Position



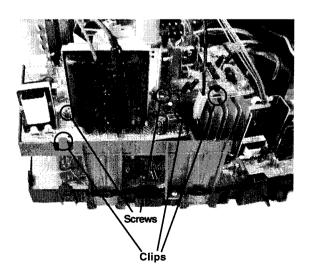
To place the chassis in the service position, insert the main bracket firmly into the T-slot located on the left corner of the beznet as indicated (see inset). To gain access to the underside of the boards follow the instructions on page 17. [Removal and Replacement of the main bracket bottom plates].

### 2-5. G Board Removal



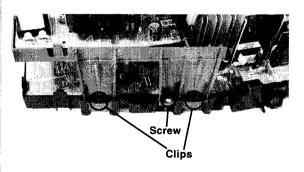
To remove the G Board release the clips circled and ease the board gently away from the support bracket.

### 2-6. D2 Board Removal



To remove the D2 board remove the two screws circled, release the clips circled and ease the board gently away from the support bracket.

### 2-7. D Board Removal



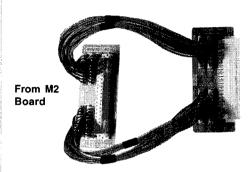
To remove the D board first remove the D2 bracket by removing the two screws (one on each side of the bracket) and releasing the four clips (two on each side of the bracket). The D board can then be removed using the same method as the G board.

### 2-8. M2 Board Removal



To remove the M2 Board gently release the two clips with a screwdriver and remove the board from its socket vertically.

### 2-9. Service Connector for M2 Board



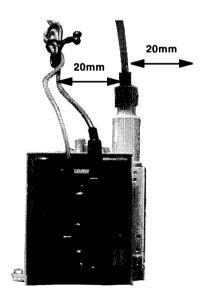
To A Board

Extender Board Assembly A-1642-293-A

If the M2 Board needs to be removed for testing when the chassis is placed in its service position, it would be necessary to use an extender board and extension cable as indicated above.

The Extender board and extension cable are available as a service part by ordering the part number as indicated.

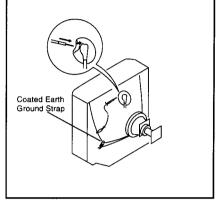
### 2-10. Wire Dressing



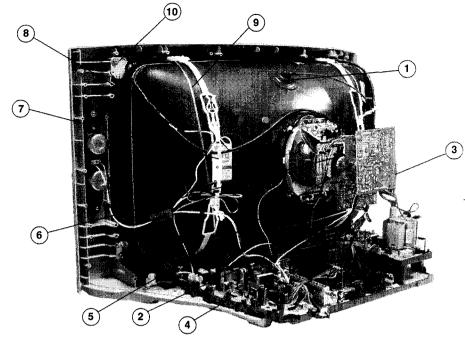
Ensure that wires do not touch heatsinks and high temperature hotspots. All wires must be kept at a minimum distance of 20mm away from the EHT lead

### WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



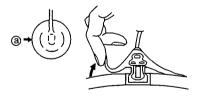




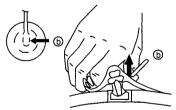
- 1. Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the Deflection yoke. neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- 7. Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 9. Remove the CRT grounding strap and spring tensioners.
- Unscrew the four CRT fixing screws [ located on each CRT corner ] and remove the CRT.
   [Take care not to handle the CRT by the neck.]

### Removal of the Anode-Cap

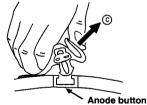
### REMOVAL PROCEDURE.



(1) Turn up one side of the rubber cap in the direction indicated by the arrow (a)



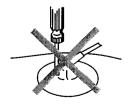
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)

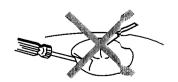


When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by the ning up the rubber cap and pulling it p in the direction of the arrow ©

### How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





# REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET BOTTOM PLATES.

## (1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the printed wiring boards, the bottom plates fitted to the main chassis bracket require to be removed. This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the arrows.

**Note:** There are 2 plates fitted to the main bracket. Only remove the necessary plate to gain access to the printed wiring board.

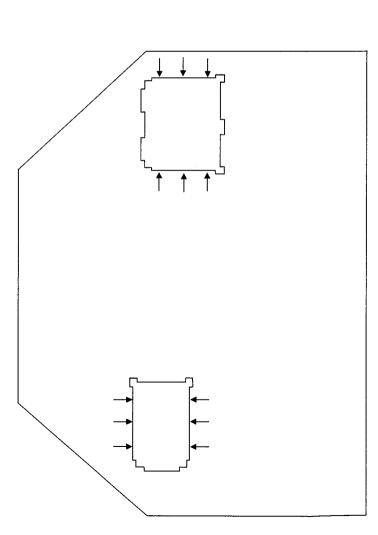
For safety reasons, on no account should the plates be removed and not refitted after servicing.

Because the plates differ in size it is important that the correct plates are refitted in their original location.

## (2) REFITTING THE PLATES

Please note that the plates need to be rotated 180 degrees from their cut position to allow the

reason for the first of their catch positions.



Catch

Tab

### **SECTION 3 SET-UP ADJUSTMENTS**

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrast	 norma
Brightness	 norma

### Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- 3. Oscilloscope.
- Digital multimeter.

### 3-1. Beam Landing

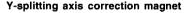
### Preparation:

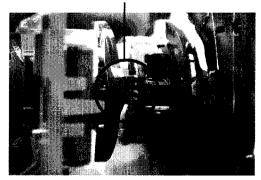
- 1. In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

### (1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- 2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-2.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-3]
- 7. Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1





### Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

### (2) Landing

**Note:** Before carrying out the following adjustments adjust the magnets as indicated [See Fig. 3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- 7. Position the deflection yoke between the two marks indicated above.
- 8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and con firm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

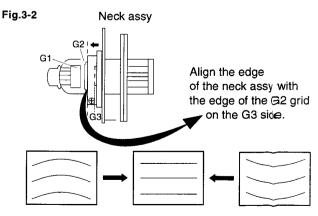
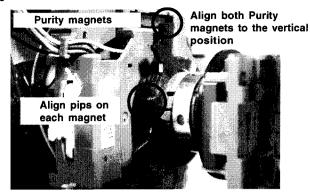


Fig.3-3

Fig.3-4



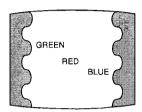
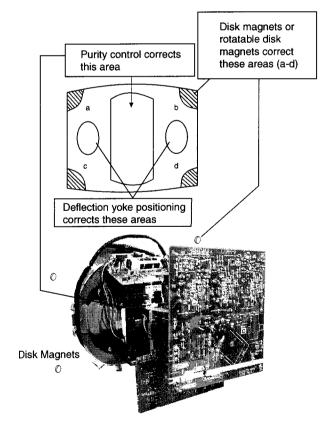
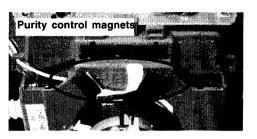


Fig.3-5

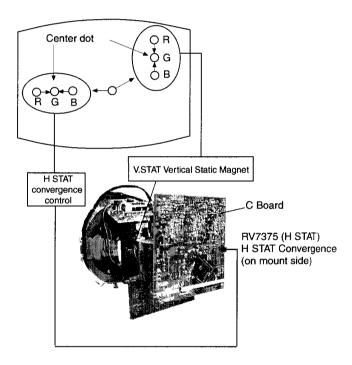




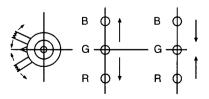
### 3-2. Convergence

### (1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.



By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.



**Note:** Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

- Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.

HMC correction(A)

A < B R G B

A > B R G B

A > B R G B

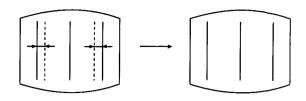
b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

C > D

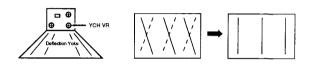
VMC correction(B)

O R

HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



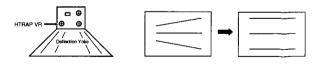
### YCH Adjustment



### TLV Adjustment



### H-TRAP Adjustment



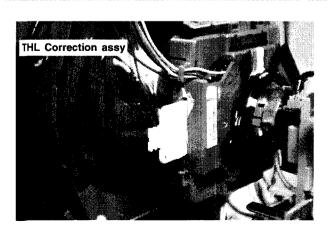
Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

### HTIL Adjustment

VMC correction(A)

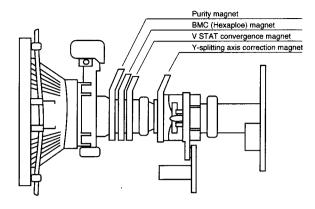
HAMP Adjustment

C < D

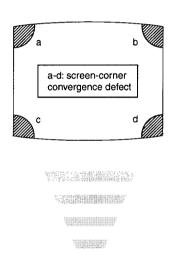


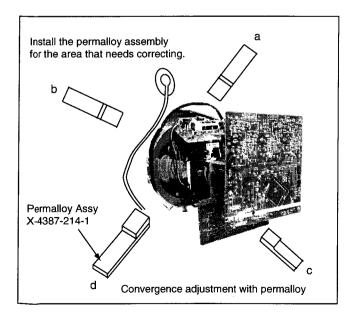
The H-TRAP should not be adjusted unless absolutely nee ssary as it affects the TLV settings.

### Layout of each control



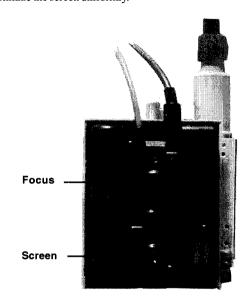
**Note:** If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.





### 3-3. Focus Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
   Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



### 3-4. Screen (G2), White Balance

[Adjustment in the service mode using the remote commander]

### G2 adjustment

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- Apply 165V DC from an external power supply to the R, G and B cathodes of the CRT.
- 4. Whilst watching the picture, adjust the G2 control [SCREEN] located on the flyback transformer to the point just before the flyback return lines disappear.

### White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- Program the Remote Commander for operation in Service Mode. [See Page 22].
- Enter into the 'Service Mode' by pressing 'VIDEO' bu ton twice and 'MENU' on the Service Commander.
- Select 'Service' from the on screen menu display andpress 'Right Arrow'.
- 5. The 'Service' menu will appear on the screen.[See Page 23]
- 6. Set the 'Contrast' to MAX.
- 7. Set the 'R-Drive' to 50.
- Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 9. Press the 'OK' button to write the data for each item.
- 10. Set the 'Contrast' to MIN.
- 11. Set the 'R-Cutoff' to 29.
- 12. Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 13. Press the 'OK' button to write the data for each item.

### **SECTION 4 CIRCUIT ADJUSTMENTS**

### 44. Electrical Adjustments

Service adjustments to this model can be performed using the supplied remote Commander RM-938.

### Programming the Remote Commander for Operation in Service Mode

- 1. Press the VCR/TV/DVD button until the TV LED lights.
- Press and hold the yellow button for approx. 5 seconds until the TV LED flashes quickly.



- Press 99999. All three LED's should light.
   The remote commander is now set to Service Mode.
- To return the remote commander to normal operation mode repeat steps 1. and 2. then press 00000. All three LED's should light.

The remote commander is now set to normal mode.

### Setting the TV into Service Mode

- Program the remote commander for operation in Service Mode as described above.
- 2. Turn on the TV main power switch.
- Press the video standby button on the remote commander twice.
   "TT\_\_\_' will appear in the upper right corner of the screen.

"I'I'\_\_' will appear in the upper right corner of the screen. Other status information will also be displayed.

4. Press 'MENU' on the remote commander to obtain the following menu on the screen.

Geometry
Panorama
Service
Scanrate
DAC
PiP
Sound
IF adjust
Error Menu

AE6B Wide v2.21 (Jan 2002)
Factory data 02h 16h
MSP Device : MSP3411G

- Move to the corresponding adjustment item using the up or down arrow buttons on the Remote Commander.
- 6. Press the right arrow button to enter into the required menu item.
- Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

### Note:

After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

GEOMETRY		
ABL TH ABL MODE P ABL V SIZE V POSITION V COMP V LIN S CORRECTION H SIZE PIN AMP UP CORNERPIN M PIN LO CORNERPIN TRAPEZIUM H POSITION AFC BOW AFC ANGLE LEFT BLK RIGHT BLK V ASPECT AKBTIM1 AKBTIM2 IKR HNG VNG	(0, 3) (0, 3) (0, 15) (0, 63) (0, 63) (0, 15) (0, 63) (0, 63) (0, 63) (0, 63) (0, 63) (0, 15) (0, 63) (0, 15) (0, 63) (0, 63)	0 0 15 35 33 1 7 7 44 32 29 2 29 2 40 8 9 34 17 47 2 0

PANORAMA		
PANORAMA  HORWIDTH H HORWIDTH L HORPOS H HORPOS L NAPPLIP H NAPPLIP L HSCPOSC H HSCPOSC L BLANDEL BLANLEN BLANDEL HSEG1 H HSEG2 H HSEG2 L HSEG3 H HSEG4 L HINCO H HINCO L HINCO L HINCO L HINC1 L HINC2 H HINC2 L	(0, 7) (0, 255) (0, 7) (0, 255) (0, 7) (0, 127) (0, 15) (0, 255) (0, 255) (0, 7) (0, 255) (0, 7) (0, 255) (0, 7) (0, 255) (0, 7) (0, 255) (0, 7) (0, 255) (0, 1) (0, 255) (0, 1) (0, 255) (0, 1) (0, 255) (0, 1) (0, 255)	1 170 0 15 1 62 8 151 13 207 0 0 96 0 192 0 224 1 64 0 40 0 0
HINC3 H	(0, 1)	1
HINC3 H HINC3 L	(0, 1) (0, 255)	1 236
HINC4 H HINC4 L	(0, 1) (0, 255)	1 216
	(0, 200)	

IF ADJUST	
Automute	1
Audio Gain	0
L Gating	0

SERVICE		
SUB COL SUB HUE SUB SHARP SUB BRIGHT SUB CONT R-DRIVE G-DRIVE B-DRIVE R CUTOFF G CUTOFF B CUTOFF Br TXT Br OSD	(0, 63) (0, 15) (0, 15)	Adj 31 30 13 12 50 Adj Adj 28 24 46 7

DAC			
CONFIG MPIN CONT HLIN HTRAP ROT. COIL PHOCUS PH	(0, 255) (0, 255) (0, 255) (0, 255) (0, 255)	00000000	96 83 127 130 90

SOUND		
M-N M-D M-S S-M D-M N-M BBE B1 B2 B3 B4 B5 SW L	(0, 511) (-128, -1) (+0, +127) (+0, +127) (-128, -1) (0, 1023) (+0, +68) (-96, +96) (-96, +96) (-96, +96) (-96, +96) (-96, +96) (-96, +96) (-96, +96) (-128, +0)	200 -20 +20 +10 -10 496 +28 +0 +0 +0 +0 +0
SW F NICAM C AD	(+5, +40) 10001	+30
NICAM Error Stereo	(0, 2047) (-128, +127)	0 +0
Status	000000110	

ERROR MENU	···		
E02 E03 E04 E05 E06 E07 E08 E09 E10 E11 E12 E13 E14 E15 E16	OCP OVP VSYNC IKR IIC NVM HPROT TUNER SOUNDP - SCANRATE DAC BACKEND DYN CON PIP	(0, 255) (0, 255)	0 0 0 0 0 0 0 0 0
WORKING TIME HOURS MINUTES		(,, ==)	14 7

### Sub Brightness Adjustment

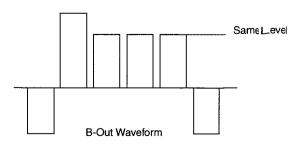
- 1. Input a Monoscope pattern.
- 2. Program the Remote Commander for operation in Service Mode. [See Page 22].
- 3. Press 'VIDEO' 'VIDEO' 13 on the Remote Commander.
- 4. Adjust the 'Sub-Brightness' data so that there is barely a difference between the 0 IRE and 10 IRE signal levels.

### Sub Contrast Adjustment

- Input a video signal that contains a small 100% whitearea on a black background.
- 2. Connect an digital voltmeter to Pin 10 of J7376 [C Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- 4. Adjust the Sub-Contrast [ Using 'VIDEO' 'VIDEO' '11'] to obtain a voltage of 105 +/- 5V.

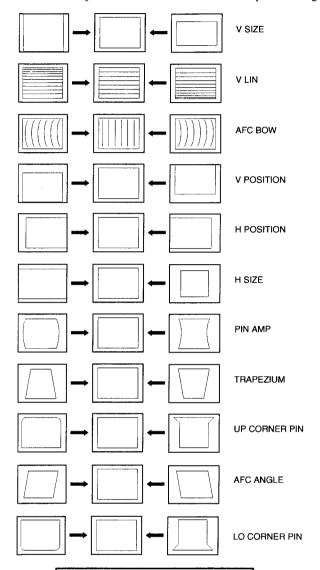
### Sub Colour Adjustment

- 1. Receive a PAL colour bar signal.
- 2. Connect an oscilloscope to Pin 6 of CN7001 [A Board].
- 3. Program the Remote Commander for operation in Service Mode. [See Page 22].
- Adjust the 'Sub Colour' [ Using 'VIDEO' 'VIDEO' '1 2' ] so that the Cyan, Magenta and Blue colour bars are of equal levels as indicated below.



### Deflection System Adjustment

- 1. Program the Remote Commander for operation in Service Mode. [See Page 22] and enter into the 'Geometry' service menu.
- 2. Select and adjust each item in order to obtain the optimum image.

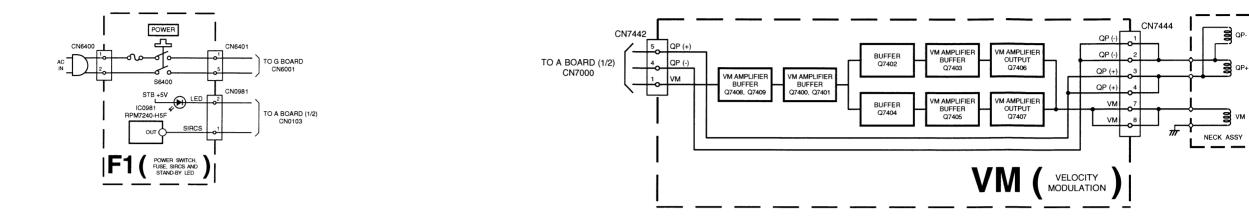


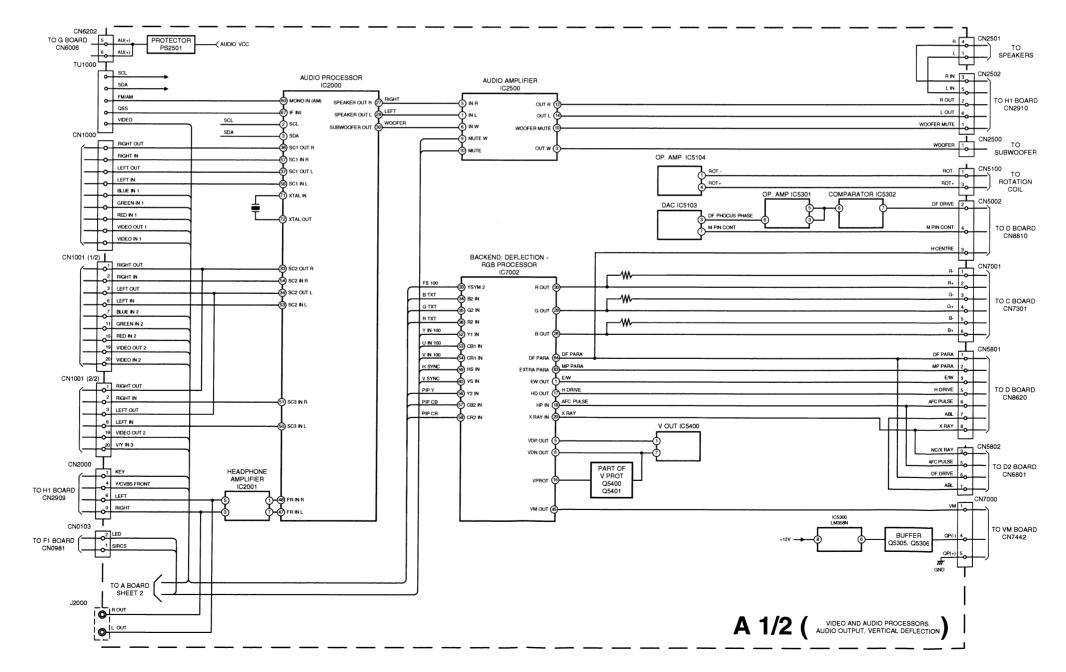
1	(0, 3) (0, 3) (0, 15) (0, 63)	0 0 15
P ABL V SIZE V POSITION V COMP V LIN S CORRECTION H SIZE PIN AMP UP CORNERPIN M PIN LO CORNERPIN TRAPEZIUM H POSITION AFC BOW AFC ANGLE LEFT BLK RIGHT BLK V ASPECT AKBTIM1	(0, 63) (0, 3) (0, 15) (0, 15) (0, 63) (0, 63) (0, 63) (0, 63) (0, 63) (0, 63) (0, 63) (0, 63) (0, 15) (0, 63)	35 33 1 7 7 44 32 29 2 40 8 9 34 17 47 2 0

### 4-2.TEST MODE 2:

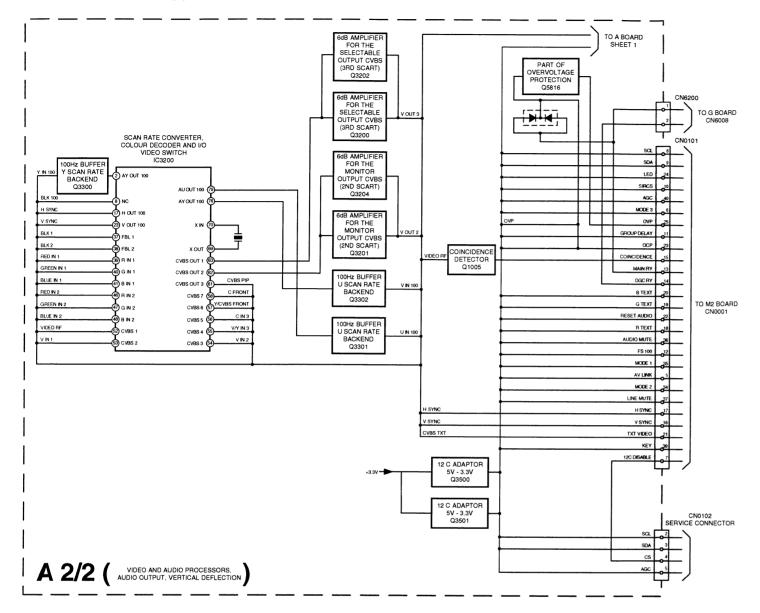
Test Mode 2 is available by rogramming the Remote Commander for operation in Service Mode [ As shown on Page 22 ] then pressing the 'VIDEO' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 00, 10, 20 ... or switch the TV set into Stand-by mode.

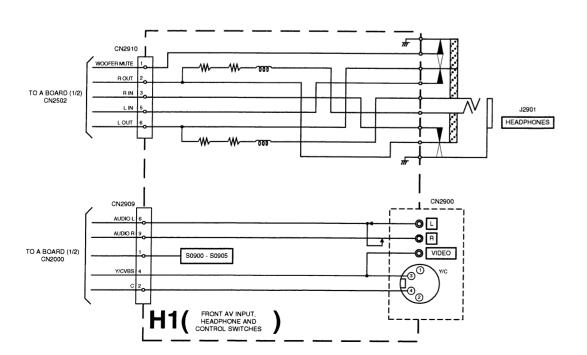
00			
01	***		
	02 Picture minimum		
03	Set speaker/headphone Volume to 35%		
04	Set speaker/headphone Volume to 50%		
05	Set speaker/headphone Volume to 65%		
06	Set speaker/headphone Volume to 80%		
07	Ageing mode		
80	Shipping Condition		
11	Sub picture adjustment		
12	Sub colour adjustment		
13	Sub Brightness adjustment		
14 Text H Position adjustment			
15	Rotation Coil Test		
16	Picture level 50%		
19 Factory Mode Enable/Disable			
21	Destination ADEKR		
22	Destination BL		
23	Destination ADEKR		
24	Destination U		
25	Destination ADEKR		
26	Destination BL		
27	Destination ADEKR		
28	Destination ADEKR		
31	Auto Shutoff Enable/Disable		
36 Velocity Modulation (VM) OFF/ON test			
41 Re-initialise NVM			
43	Select Dual A sound		
44	Select Dual B sound		
45	Select Mono sound		
46	Select Stereo sound		
48	Set NVM as non virgin		
49	Set NVM as virgin		
53	FM Overmodulation Enable/Disable		
55	Tuner selection (SONY/ALPS)		
59 Select Model 3 Scarts + PIP or 2 Scarts			
68	Enable/Disable X26 countermeasure (N problem)		
73	Enable Zweiton D/K2 system (6.5/6.74)		
74	Enable Zweiton D/K3 system (6.5/5.74)		
78			
79 Balance full left			
87	Local keys test		
99	Display Error and Working Time menu		

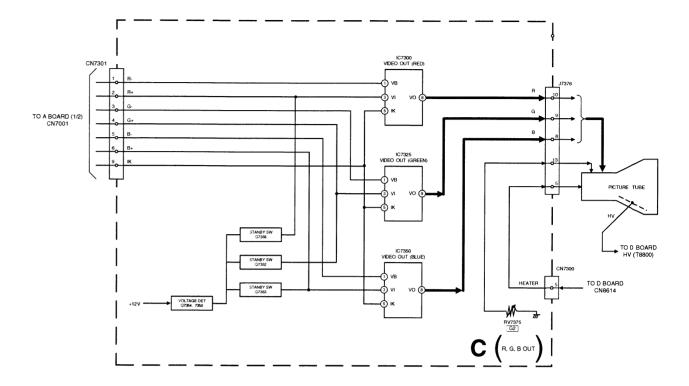


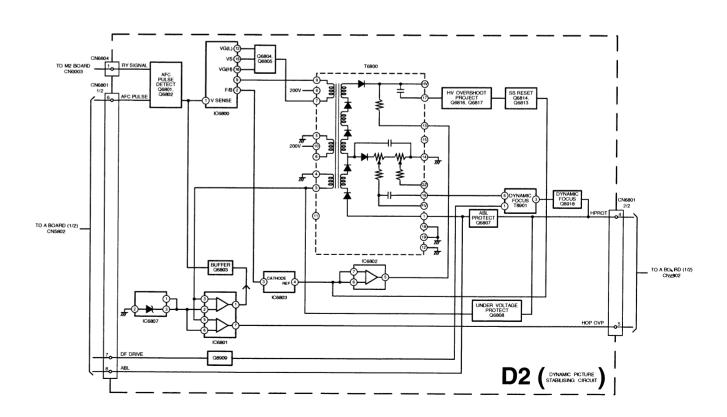


### 5-1. BLOCK DIAGRAMS (2)

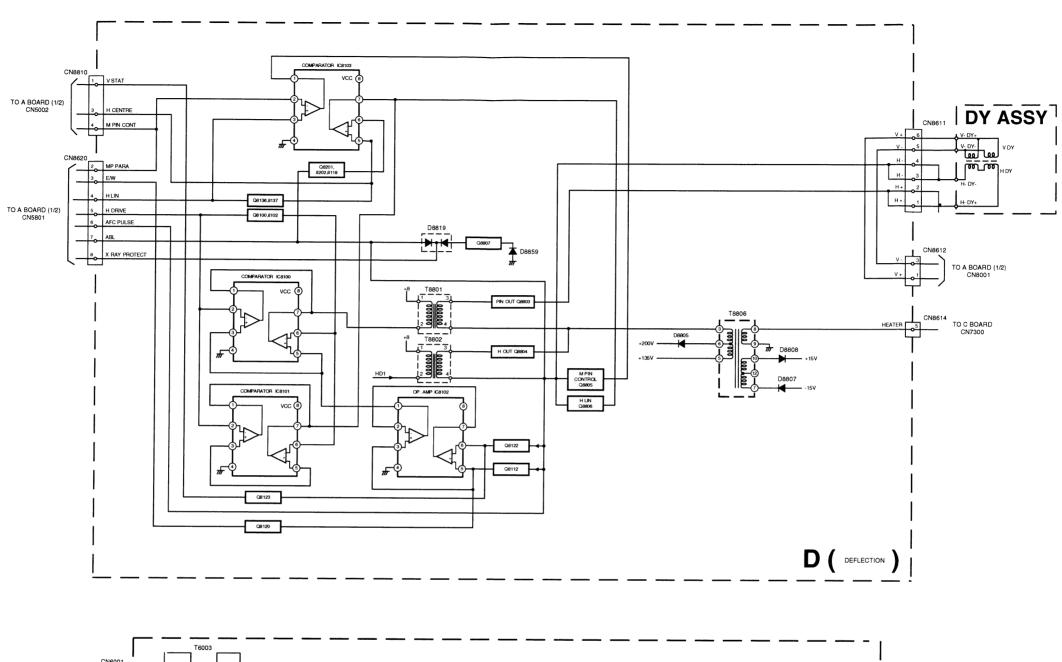


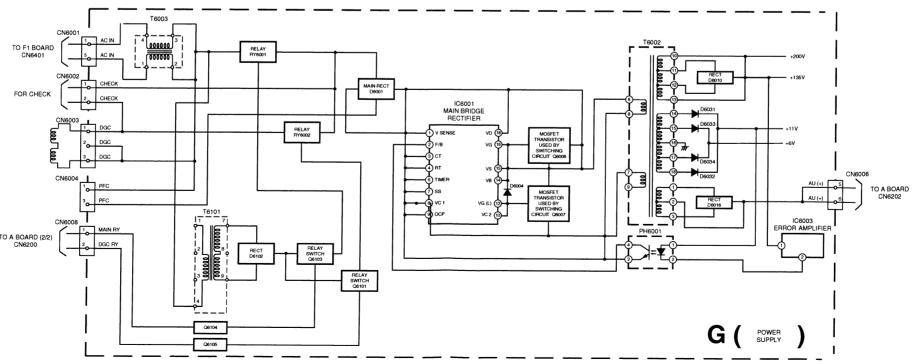




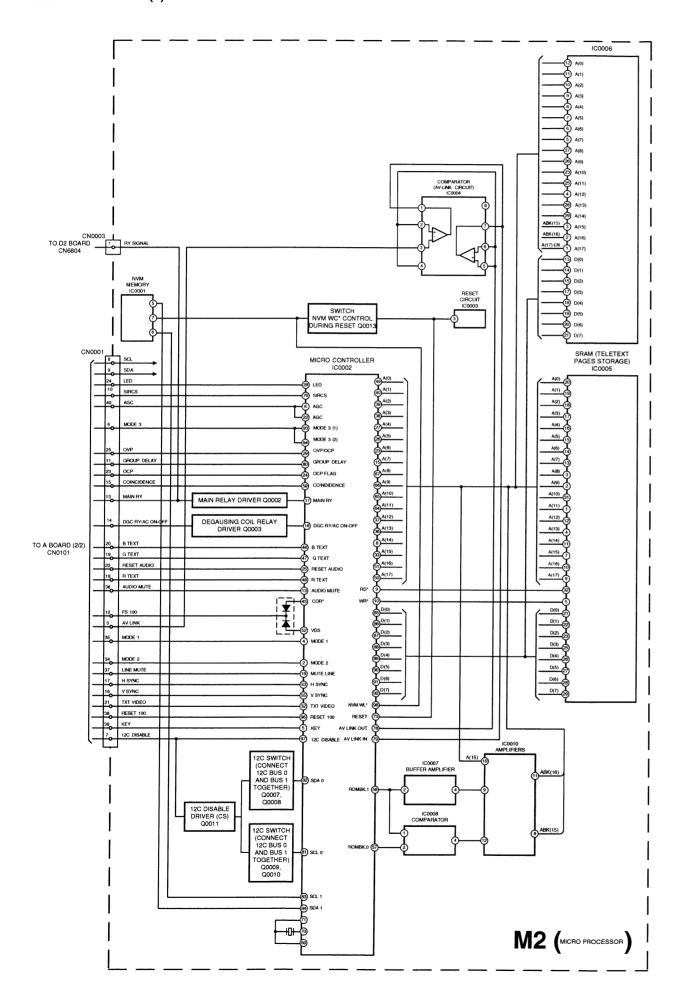


### 5-1. BLOCK DIAGRAMS (3)

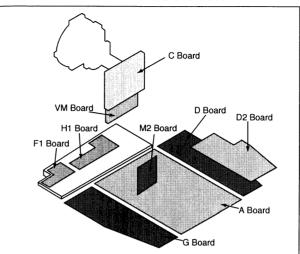




### 5-1. BLOCK DIAGRAMS (4)



### 5-2. CIRCUIT BOARD LOCATION



### 5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

### Note

- All capacitors are in µF unless otherwise noted.
- pF : μμF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms. k = 1000 ohms, M = 1000,000 ohms

: nonflammable resistor.

: fusible resistor.

internal component.

: panel designation or adjustment for repair.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.

: B + bus.

• = = : B - bus.

: RF signal path.

• : earth - chassis.

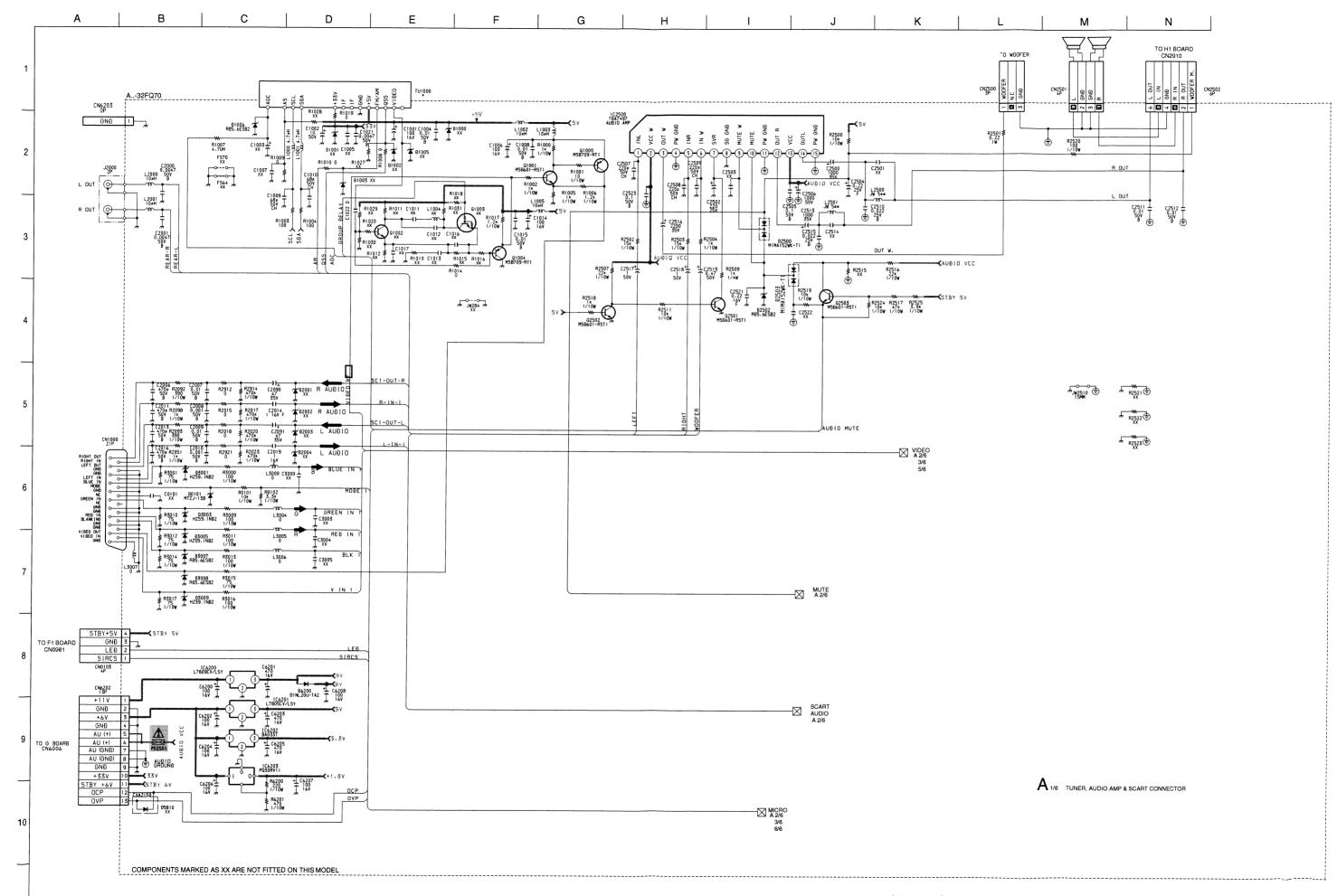
### Reference Information

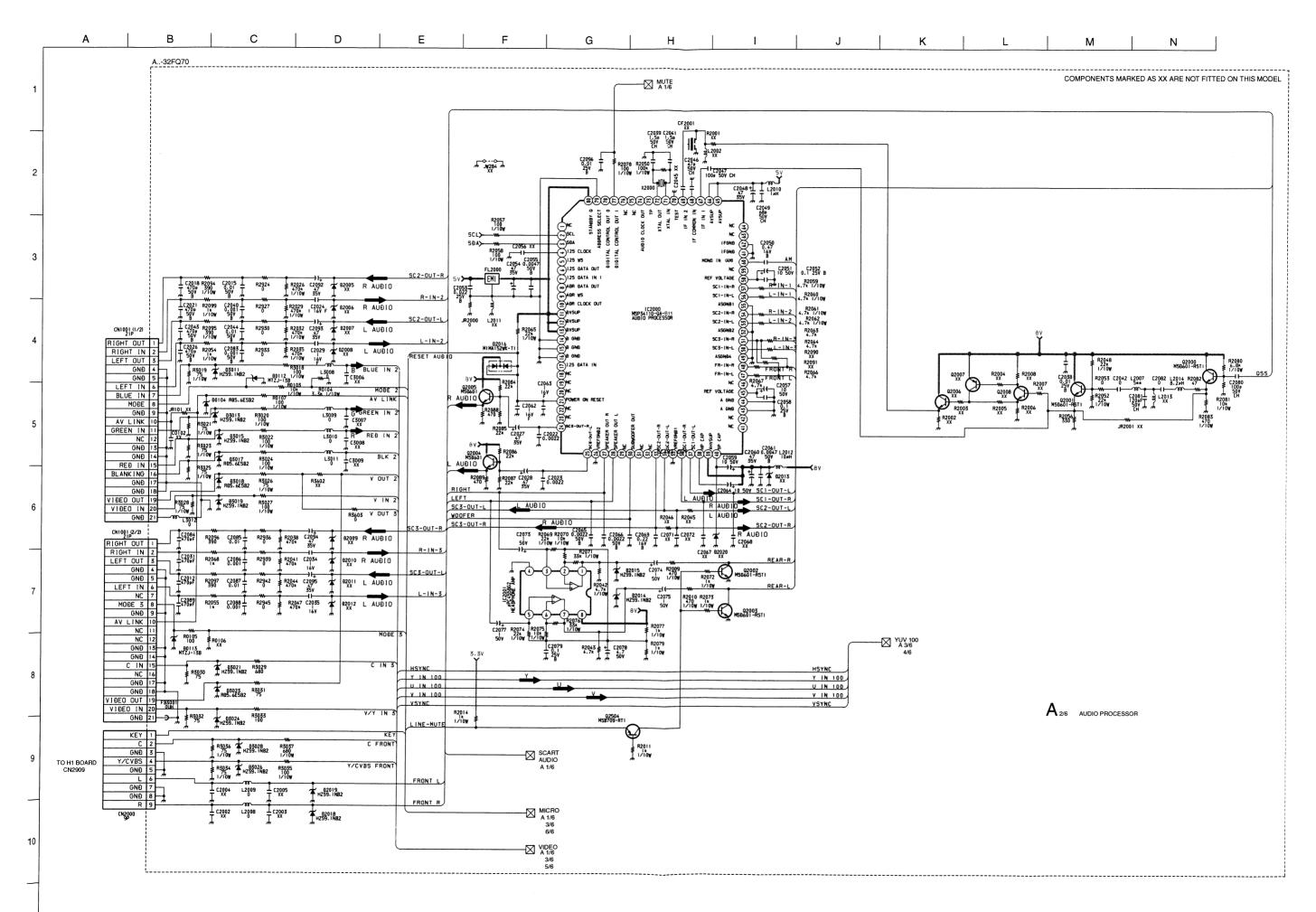
RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
	፠	: ADJUSTMENT RESISTOR
COIL	LF-8L	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

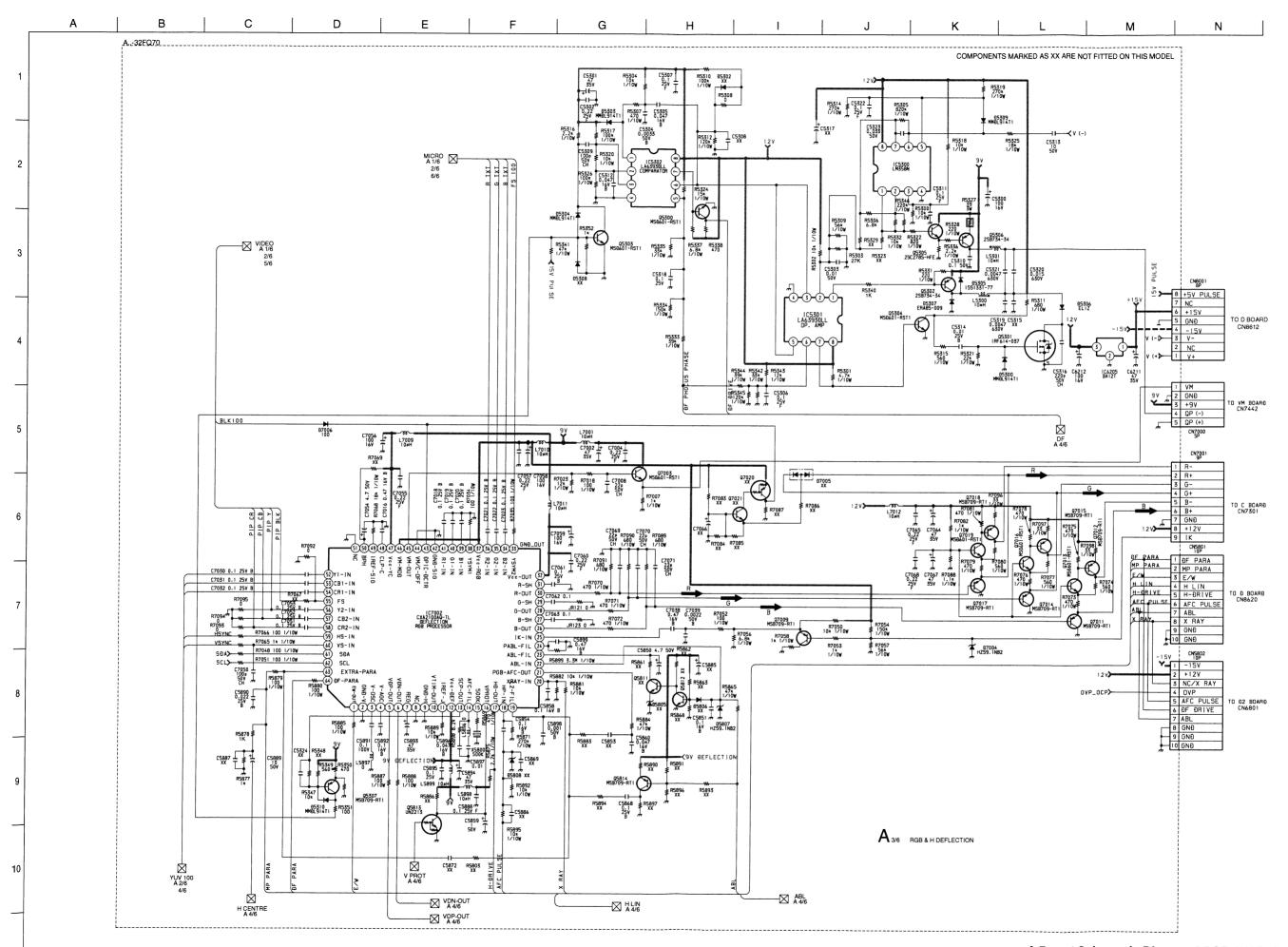
Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

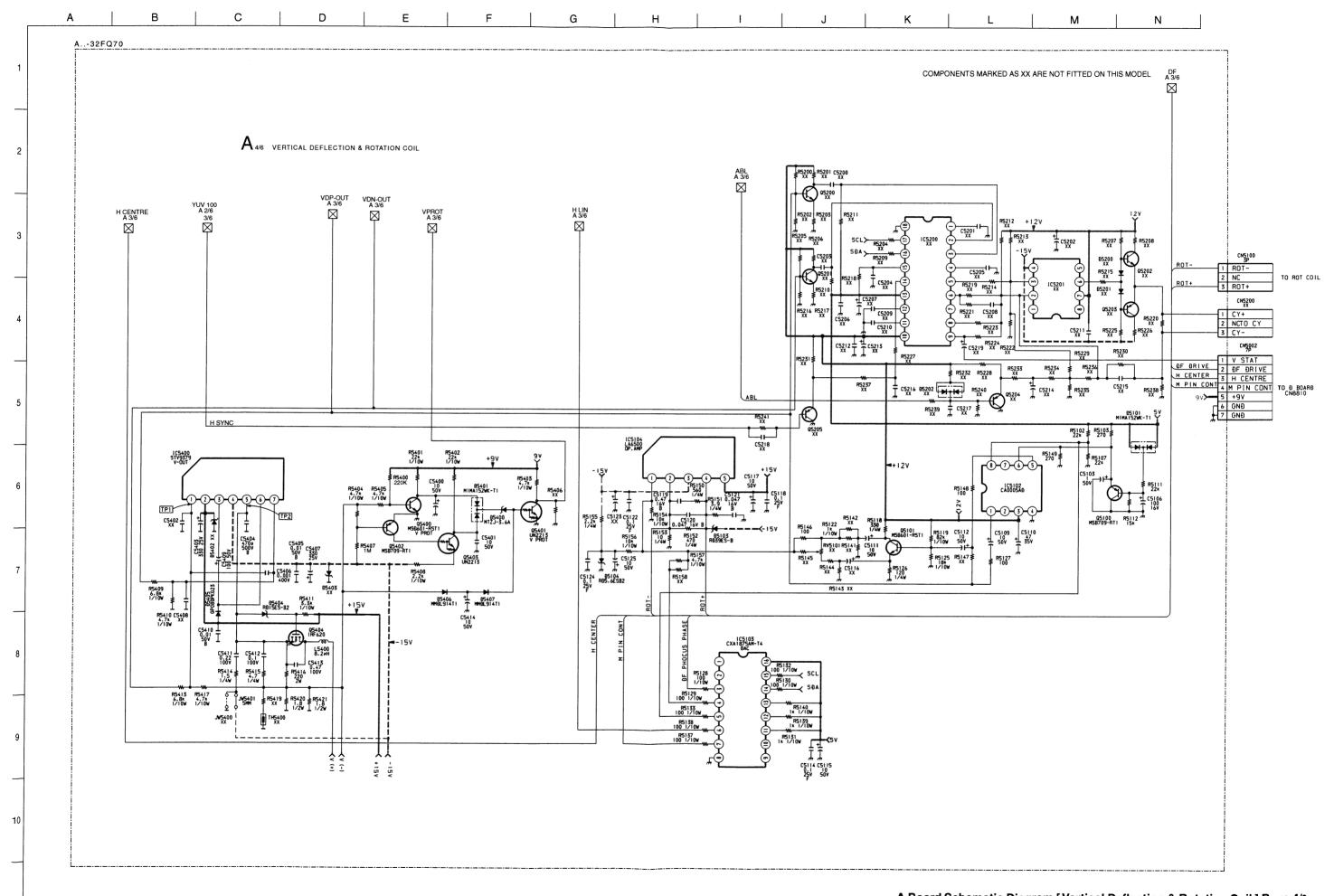
Note: Les composants identifiés par une trame et par une marque △ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

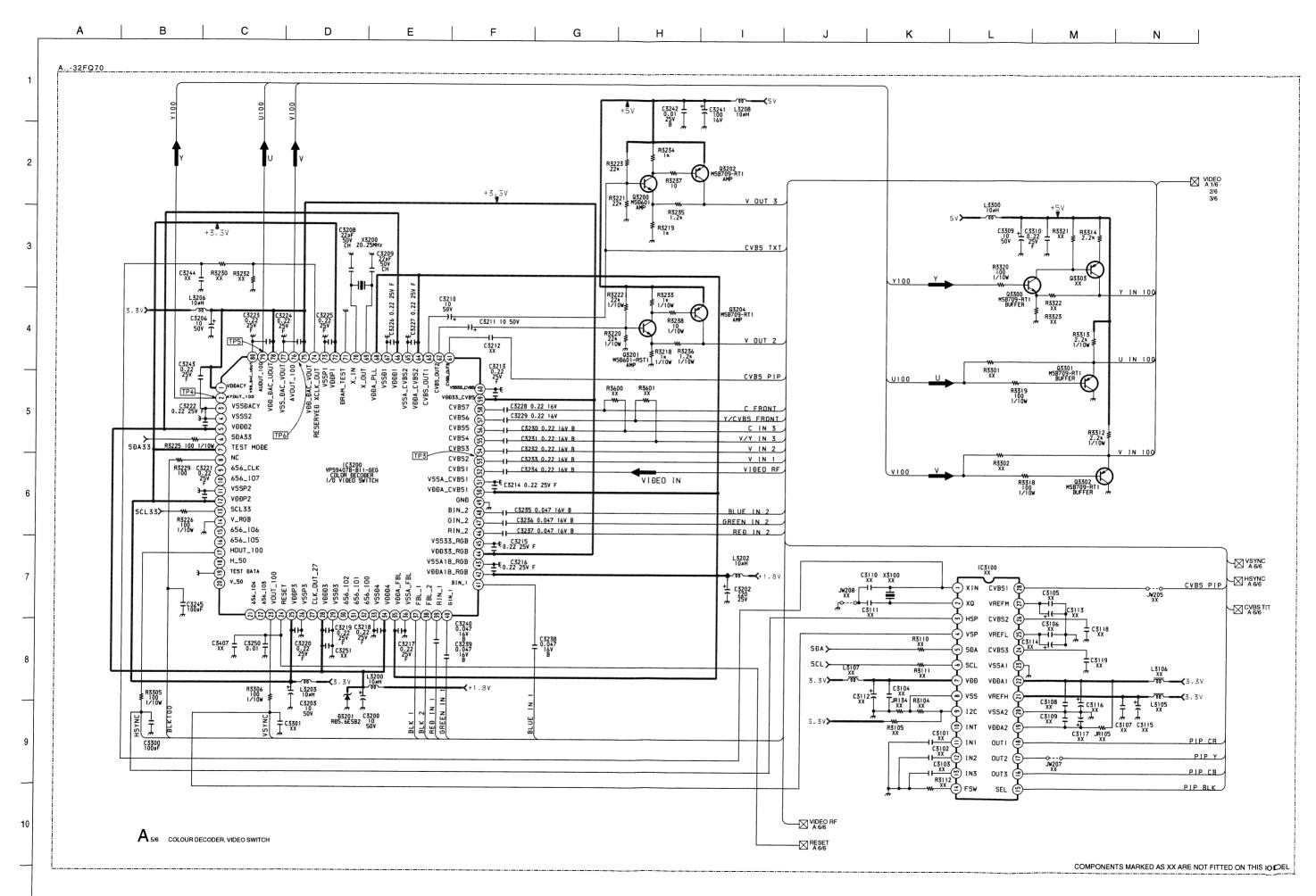
- 28 *-*

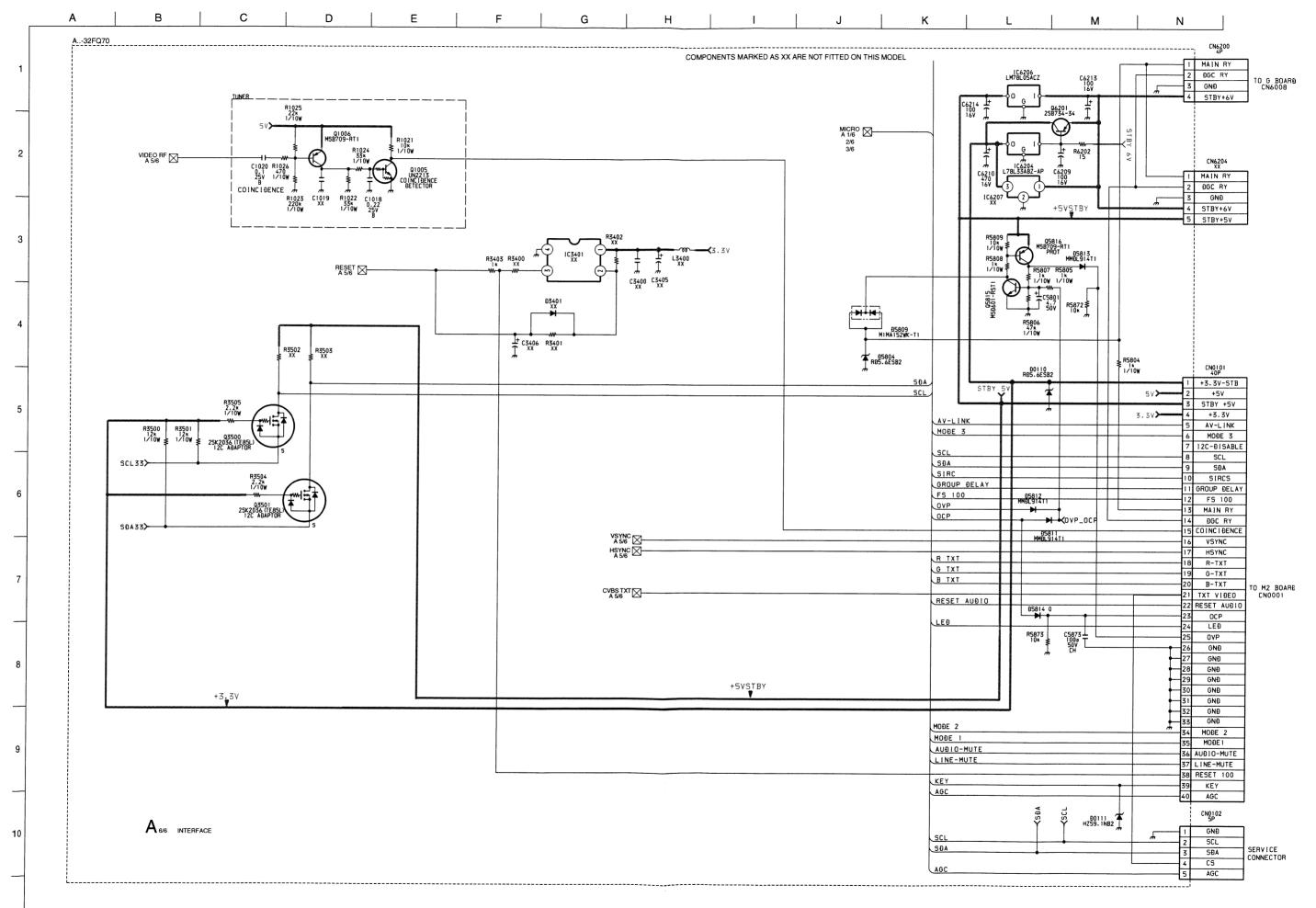




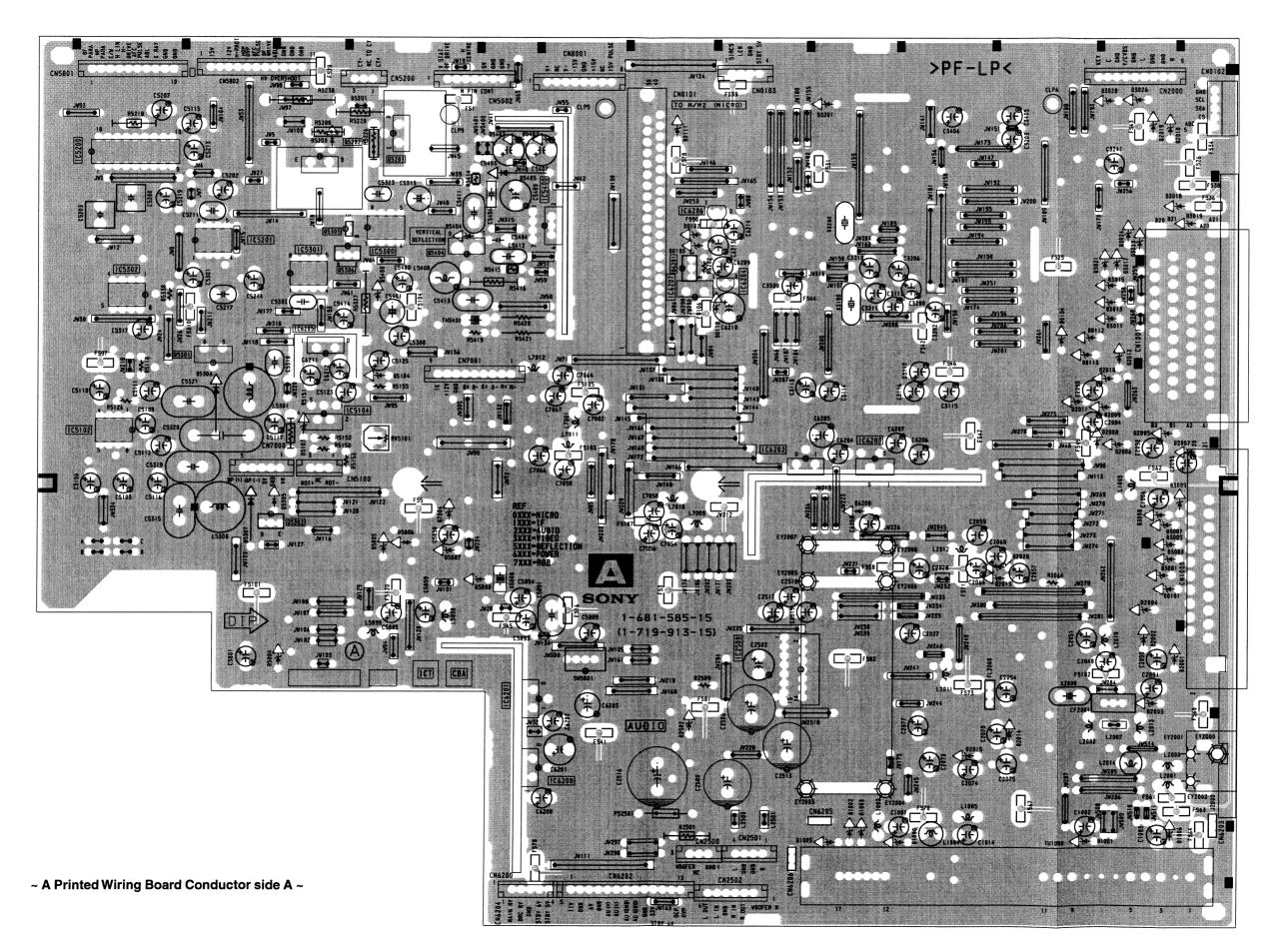




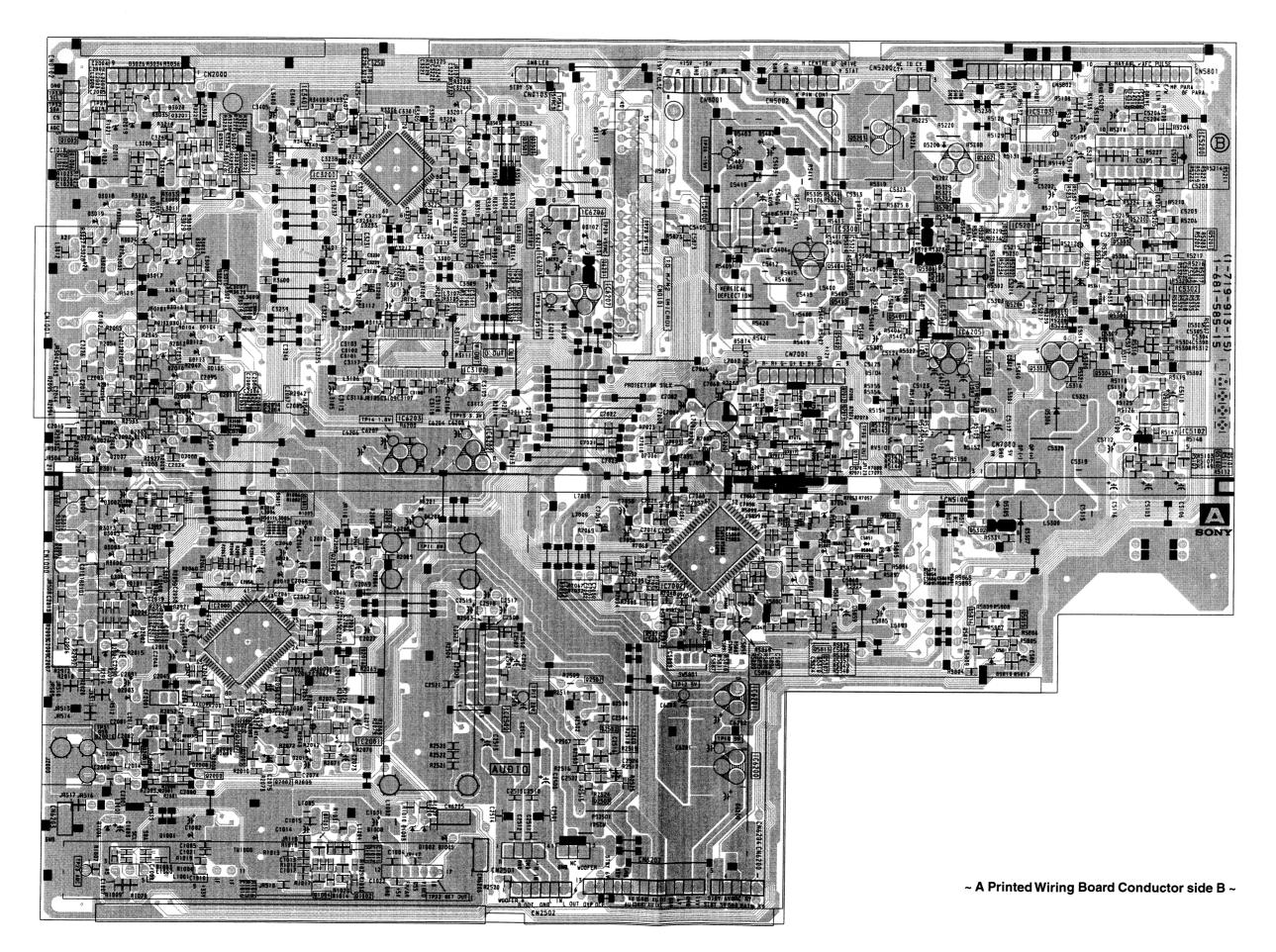




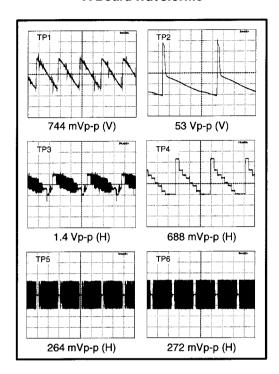
A B C D E F G H I J K L M N



A B C D E F G H I I J K L M N



#### ~ A Board Waveforms ~



## ~ A Board Location Table (A Side) ~

DIO	DE	D1006	M - 10	D3003	M - 7	D3015	M - 4	D3026	M - 2	D5305	D-6	D6200	J - 6	IC5301	D - 4	IC@06	H - 3
D0101	M - 7	D2014	L-9	D3005	M - 7	D3017	M - 4	D3028	M - 2	D5306	C - 5	D7004	F-7	IC5302	B - 4	IC6207	H - 4
D0104	L - 5	D2015	K-9	D3007	M - 7	D3018	N - 3	D3201	J - 2	D5307	D - 7	IC		IC5400	G - 4	TRANS	ISTOR
D0110	1 - 4	D2018	M - 2	D3008	M - 7	D3019	N - 3	D5103	D - 6	D5400	E - 4	IC5104	D-6	IC6201	G - 9	Q5102	E- 2
D0111	H - 2	D2019	M - 2	D3009	N - 7	D3021	M - 4	D5104	E - 5	D5404	F-4	IC5200	B - 3	IC6202	1-6	Q53O 1	C-5
D0112	M - 4	D2502	H - 9	D3011	M - 4	D3023	M - 4	D5200	D - 2	D5405	F-3	IC5201	C - 4	IC6203	J-6	Q5)06	E-4
D0113	M - 5	D3001	M - 7	D3013	M - 4	D3024	M - 4	D5201	E - 2	D5807	F - 7	IC5300	E - 4	IC6205	D - 5	Q5:04	F - 4

## ~ A Board Location Table (B Side) ~

				Dogg /	D 0	D 5000		lor400				00004	~ ~	05000	14 4	0700	μо
DIC	DE	D2503	G - 9	D3024	B - 3	D5309	J - 3	IC5103	L - 3	IHAN	SISTOR	Q3201	C - 2	Q5300	M - 4	Q7)0-3	H-6
D0101	B - 7	D3001	B - 7	D3026	B - 2	D5400	K - 4	IC5104	K - 5	Q1000	C - 6	Q3202	C - 3	Q5301	L - 5	Q7)09	1-7
D0104	C - 5	D3003	B - 7	D3028	C - 2	D5401	J - 4	IC5200	M - 3	Q1001	D - 6	Q3204	C - 3	Q5302	K - 7	Q7)1 1	J - 6
D0110	G - 4	D3005	B - 7	D3201	F - 2	D5404	J - 3	IC5201	L - 4	Q1004	D - 11	Q3300	F - 3	Q5303	M - 4	Q7)12	J - 5
D0111	G - 2	D3007	B - 6	D5103	L-6	D5405	1-3	IC5300	J - 3	Q1005	B - 2	Q3301	F - 3	Q5304	M - 5	Q7)1 3	J-6
D0112	C - 5	D3008	B-6	D5104	J - 5	D5809	K - 8	IC5301	K - 4	Q1006	B - 3	Q3302	F-3	Q5305	K - 3	Q7n1 4	J-6
D0113	C - 5	D3009	B - 6	D5200	K - 2	D5811	L - 8	IC5302	M - 4	Q2000	C - 9	Q3500	F-3	Q5306	K - 4	Q7n 5	I - 5
D1006	B - 10	D3011	C - 4	D5202	L-4	D5812	L - 8	IC5400	1-3	Q2002	D - 9	Q3501	F - 3	Q5400	J - 4	Q7)1 <b>6</b>	I - 6
D2014	C - 9	D3013	C - 4	D5300	L - 5	D6200	E - 7	IC6200	1 - 9	Q2003	D - 9	Q5101	M - 5	Q5401	J - 4	Q711 7	I - 6
D2015	D - 9	D3015	C - 4	D5303	N - 4	ı	C	IC6201	I - 8	Q2004	E - 7	Q5200	M - 4	Q5402	J - 5	Q7)1 <b>£</b> 8	I - 5
D2016	E - 8	D3017	B - 4	D5304	M - 4	IC2000	C-8	IC6202	F-6	Q2005	E - 7	Q5201	N - 4	Q5403	J - 4	Q719	<u>1 - 6</u>
D2018	B - 2	D3018	B - 3	D5305	L-6	IC2001	D - 9	IC6203	E - 6	Q2501	G - 8	Q5202	K - 3	Q5404	J - 4		
D2019	B - 2	D3019	B - 3	D5306	L - 5	IC2500	F-8	IC6205	K - 5	Q2502	G - 9	Q5203	J - 2	Q5813	J-8		
D2500	G - 9	D3021	C - 4	D5307	L - 7	IC3100	E - 5	IC6206	G - 3	Q2503	G - 9	Q5204	L - 4	Q5815	L - 8		
D2502	G-9	D3023	B - 3	D5308	M - 4	IC3200	E - 3	IC6207	G - 4	Q3200	C - 3	Q5205	M - 3	Q5816	L - 8	]	

## ~ A Board Semiconductor Voltage Table ~

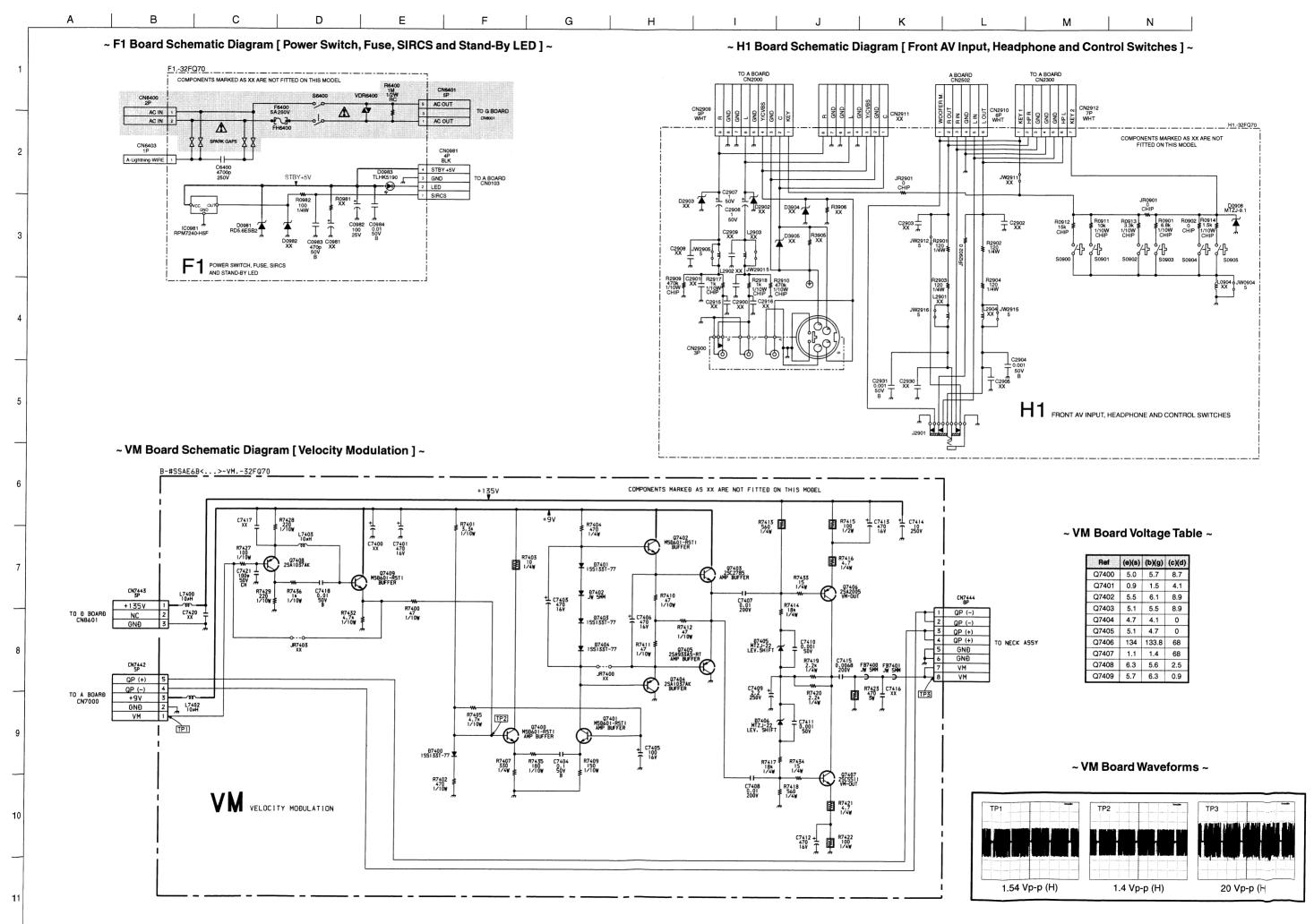
Ref	(s)	(g)	(d)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q3500	2.7	3.3	3.9	Q2002	0	0	4	Q3204	5	4.4	3.4	Q5205	1.9	1.2	0	Q5813	0	7.9	0	Q7015	11.6	10.9	8.8
Q3501	2.7	3.3	4	Q2003	0	0	4	Q3300	0.7	1.3	5	Q5300	0	0.4	2.2	Q5814	0	0	0	Q7016	6	6.6	10.9
Q5301	0	5.1	51.2	Q2004	3.3	3.9	8.3	Q3301	1.9	1.2	0	Q5301	5.1	0	51.2	Q5815	0	0	5	Q7017	2.7	2	0
Q5404	0	0	0.5	Q2005	3.3	3.9	8.3	Q3302	1.9	1.2	0	Q5302	8.9	5.7	0	Q5816	5	5	0	Q7018	11.6	10.9	8.6
Ref	(e)	(b)	(c)	Q2501	0	0	15.2	Q3500	3.3	2.7	3.9	Q5304	0	0.4	5.6	Q7003	5.6	6.2	8.8	Q7019	6	6.6	10.9
Q1001	3.2	3.9	8.3	Q2502	0	0.7	0	Q3501	3.3	2.7	4	Q3400	0	0	0.1	Q7009	3.2	7	0.1	Q7020	8.9	8.9	0
Q1004	1.9	1.3	0	Q2503	0.6	0.6	0.5	Q5101	0	0.4	6.4	Q5401	0	0	7.9	Q7011	2.5	1.9	0	Q7021	2.7	2.7	8.9
Q1005	0	0.5	5	Q3200	1.9	2.5	4.4	Q5201	2.8	3.4	7.9	Q5402	0	0	-11.3	Q7012	11.6	10.9	8.7				
Q1006	5	4.7	1	Q3201	1.9	2.5	4.4	Q5202	0.2	0.8	11.7	Q5403	-13.5	-11.2	-8.3	Q7013	6	6.6	10.9				
Q2000	4.2	4.8	8.3	Q3202	5	4.4	3.4	Q5203	0.2	0.8	11.7	Q5404	0	0	0.5	Q7014	2.5	1.8	0				

## ~ A Board IC Voltage Table ~

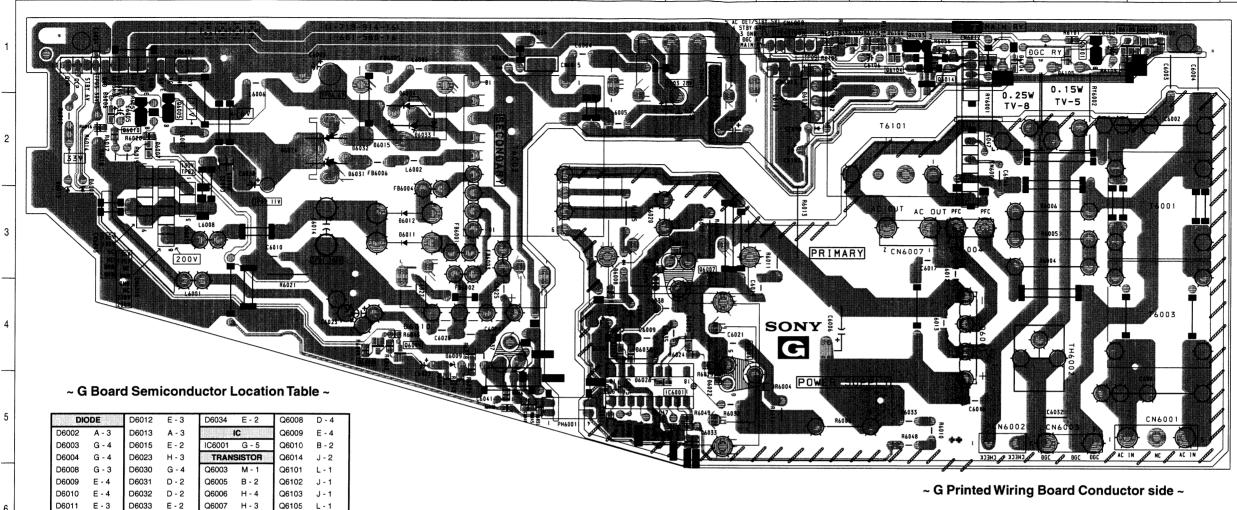
Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)	Ref No	Pin No	Volts (V)
	1	3.3		5	6.5		10	0.4		38	0
	2	3.3	IC5301	6	7.1	100	11	1.9		39	4.8
	3	1.9	105301	7	0.4		12	0.4		40	4.8
23.54	4	2.6		8	12		13	0.9		41	4.8
	5	2.5	0.2	1	0		14	5		42	0
	6	1.8		2	5.8		15	2.5		43	0
	7	2	145	3	6.3		16	0		44	0
IC5103	8	0	IC5302	4	0		17	3		45	6.3
105103	9	3.1	100302	5	6.6		18	2.7		46	8.9
	10	3		6	6.5		19	3.9		47	8.9
	11	5		7	0.4		20	0		48	6
	12	5		8	12		21	6.1		49	2.5
	13	5		1	1.4		22	2.7		50	4.1
	14	0		2	13.2		23	8.8	IC7002	51	0
	15	0		3	-12.5	IC7002	24	0		52	6
	16	5	IC5400	4	-15.4		25	4.3		53	5.8
	1	6		5	-0.4		26	3.2		54	5.8
	2	6		6	13.7		27	5.2		55	0.4
	3	6		7	1.4		28	0.3		56	5.8
105000	4	0		1	3.6		29	4.9		57	5.8
IC5300	5	6		2	0		30	3.4		58	5.8
	6	6		3	4.4		31	5.6		59	0.3
	7	6		4	4.8		32	8.9		60	0
10.7	8	12	IC7002	5	3.5		33	0		61	0
	1	1.7		6	3.4		34	4.7		62	2.9
ICCOO+	2	8.5		7	7.6		35	4.7		63	3.7
IC5301	3	6.5		8	0		36	4.7			
	4	0		9	0		37	8.9			

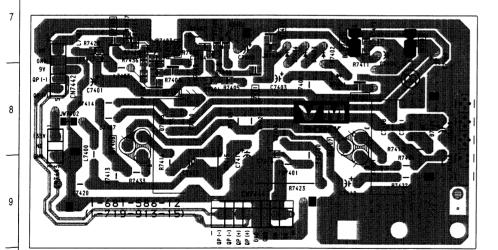
## ~ A Board Difference Table ~

Ref	KV-32FQ70B	KV-32FQ70E	KV-32FQ70K	KV-32FQ70U
TU1000	FRONTEND	FRONTEND	FRONTEND	FRONTEND
	BTF-EF411	BTF-EC411	BTF-EC411	BTF-EU611

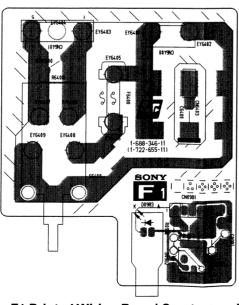


A B C D E F G H I J K L M N

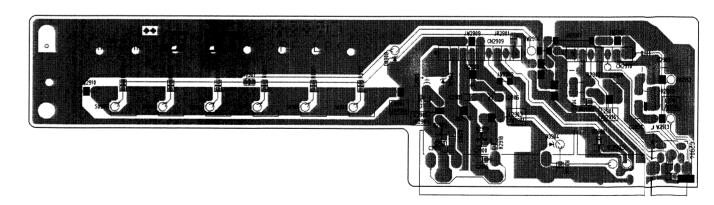




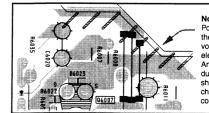
~ VM Printed Wiring Board Conductor side ~



~ F1 Printed Wiring Board Conductor side ~

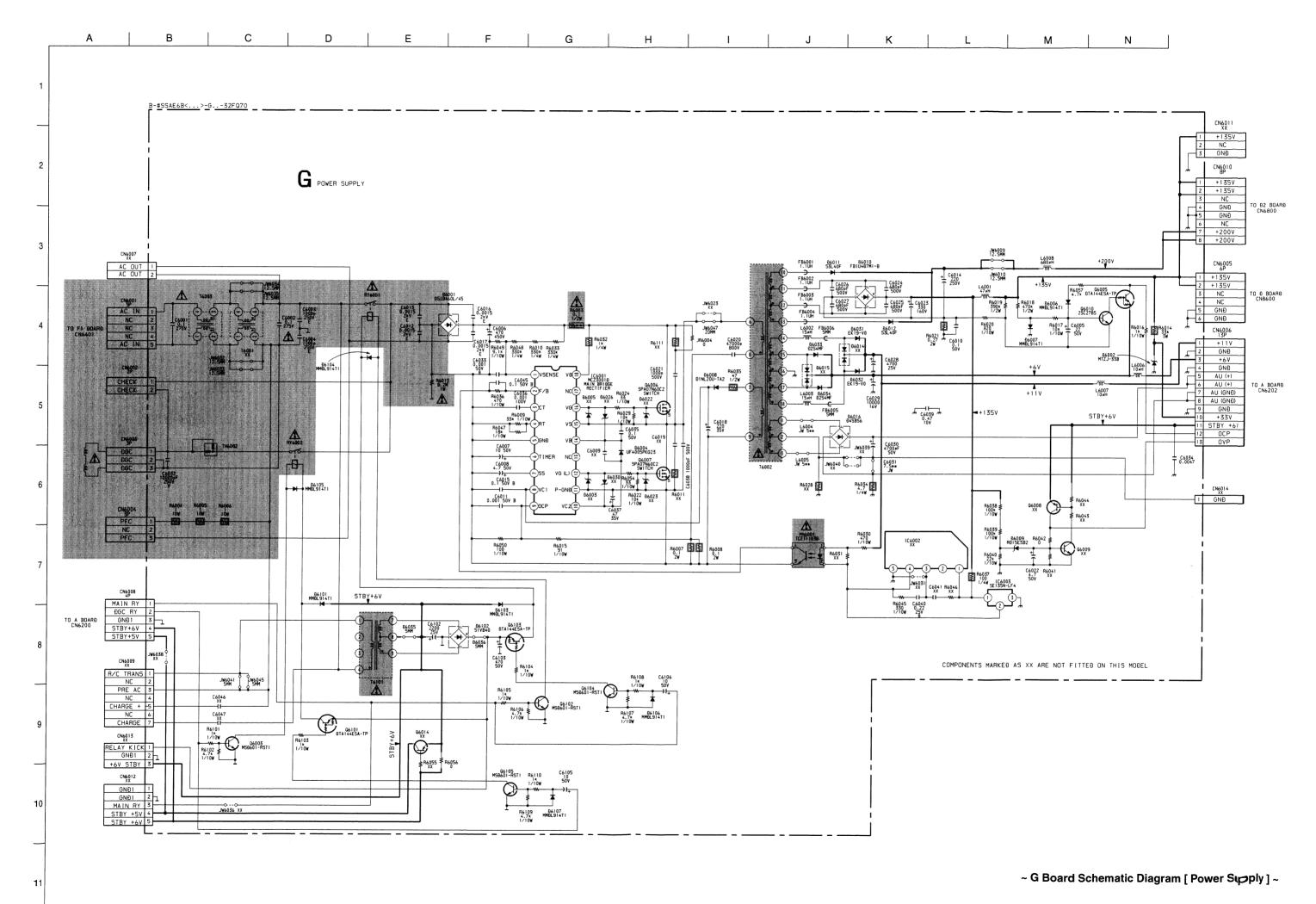


~ H1 Printed Wiring Board Conductor side ~

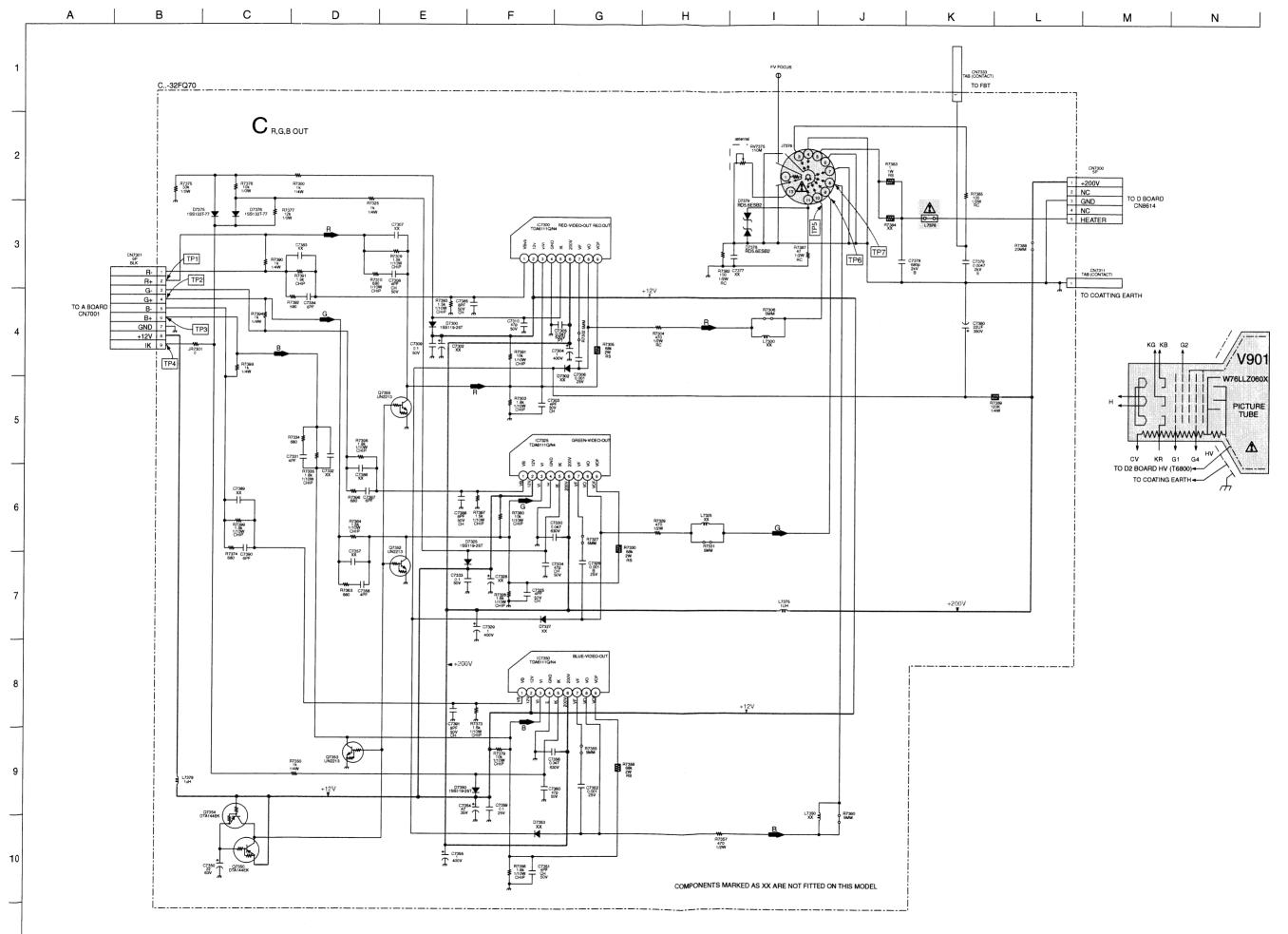


Note:

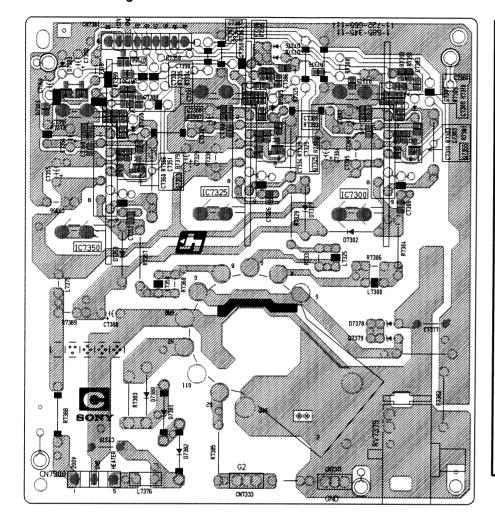
Portions of the circuit contained within the marked areas as shown a we high voltages present. Use care to revent electric shock during inspector or repair. An Isolation Transformer mut to used during any Service work to a of of possible shock hazard due to live chasis. The chassis of this receiver is directly connected to the power line.



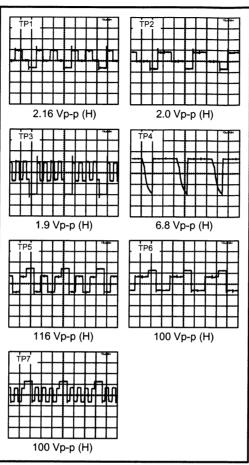
- 41 -



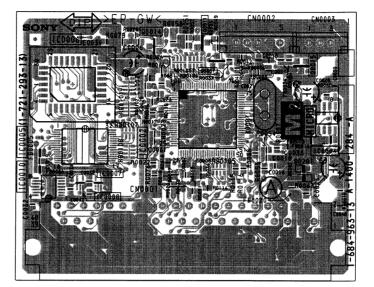
## ~ C Printed Wiring Board Conductor side ~



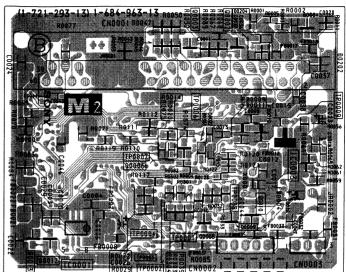
#### ~ C Board Waveforms ~



## ~ M2 Printed Wiring Board Conductor side A ~



~ M2 Printed Wiring Board Conductor side B ~



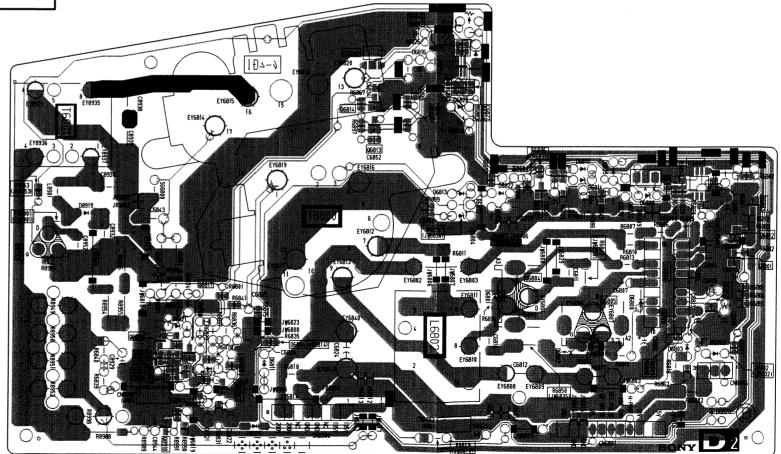
## ~ D2 Printed Wiring Board Conductor side ~

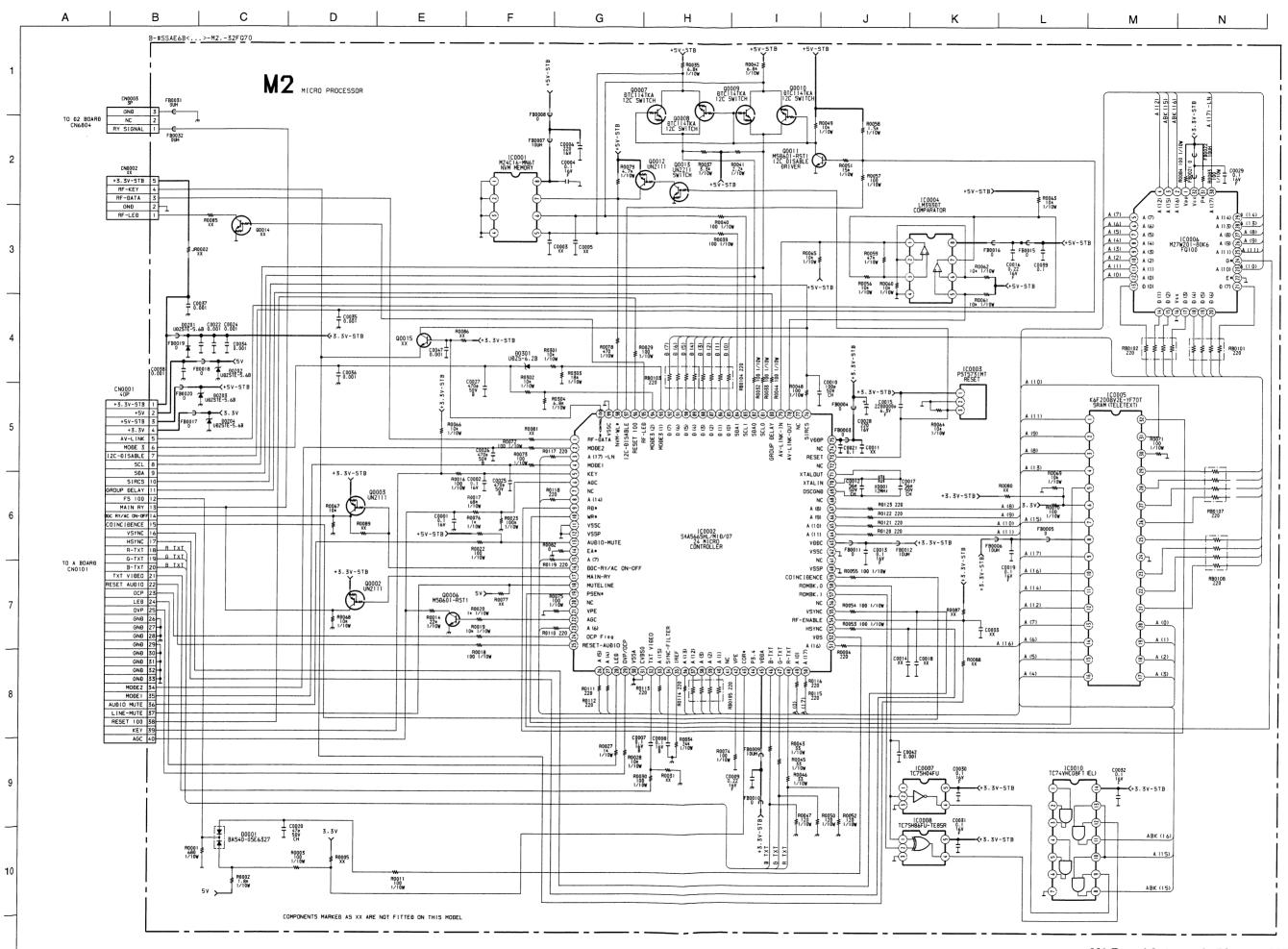
## ~ C Board Semiconductor Voltage Table ~

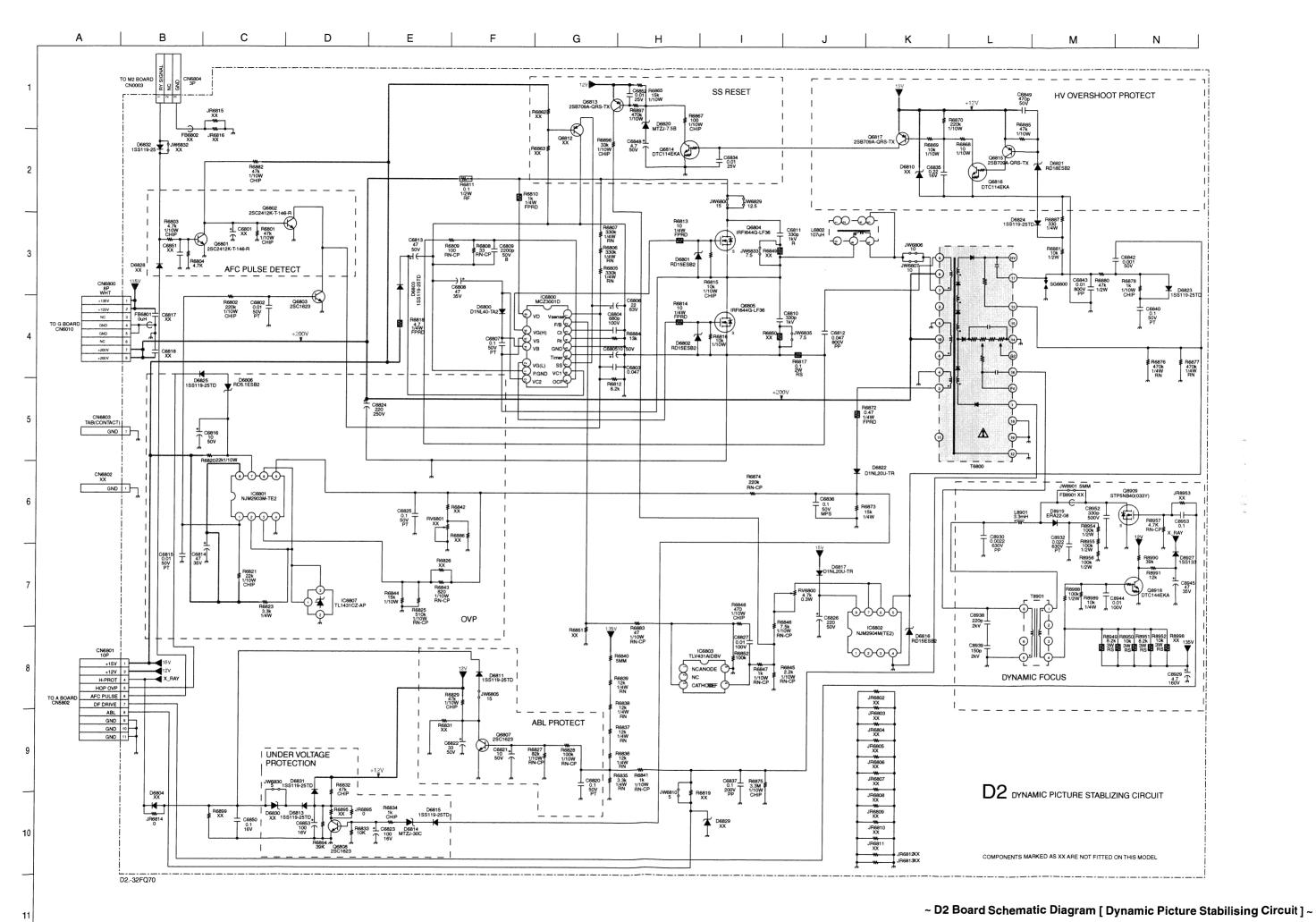
Ref	(e)	(b)	(c)
Q7350	12	11.98	0
Q7352	0	0	3.8
Q7353	0	0	3.8
Q7354	11.98	12	0
07355	0	0	2 0

## ~ C Board IC Voltage Table ~

IC	Voltage	Table
Ref No	Pin No	Voltage (V)
	1	3.9
	3	3.8
	5	7.5
C7300	6	200
	7	140
	8	153
	9	140
	1	3.9
	3	3.8
	5	7.7
C7325	6	200
	7	140
	8	153
	9	140
維性。	1	3.9
	3	3.8
	5	7.5
27350	6	200
	7	139
	8	148
	9	138

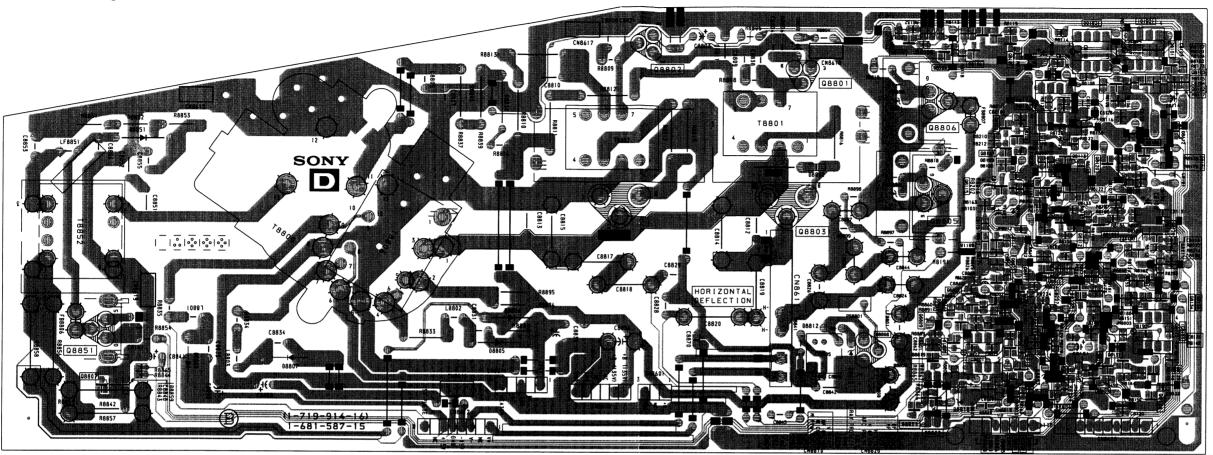




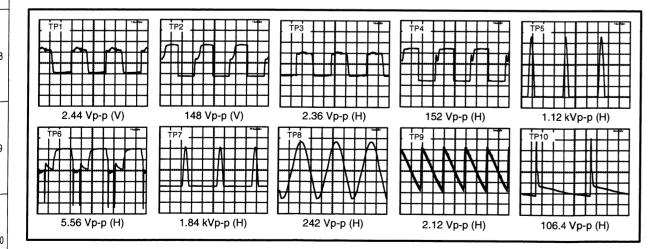


A B C D E F G H I J K L M N

~ D Printed Wiring Board Conductor side ~



#### ~ D Board Waveforms ~



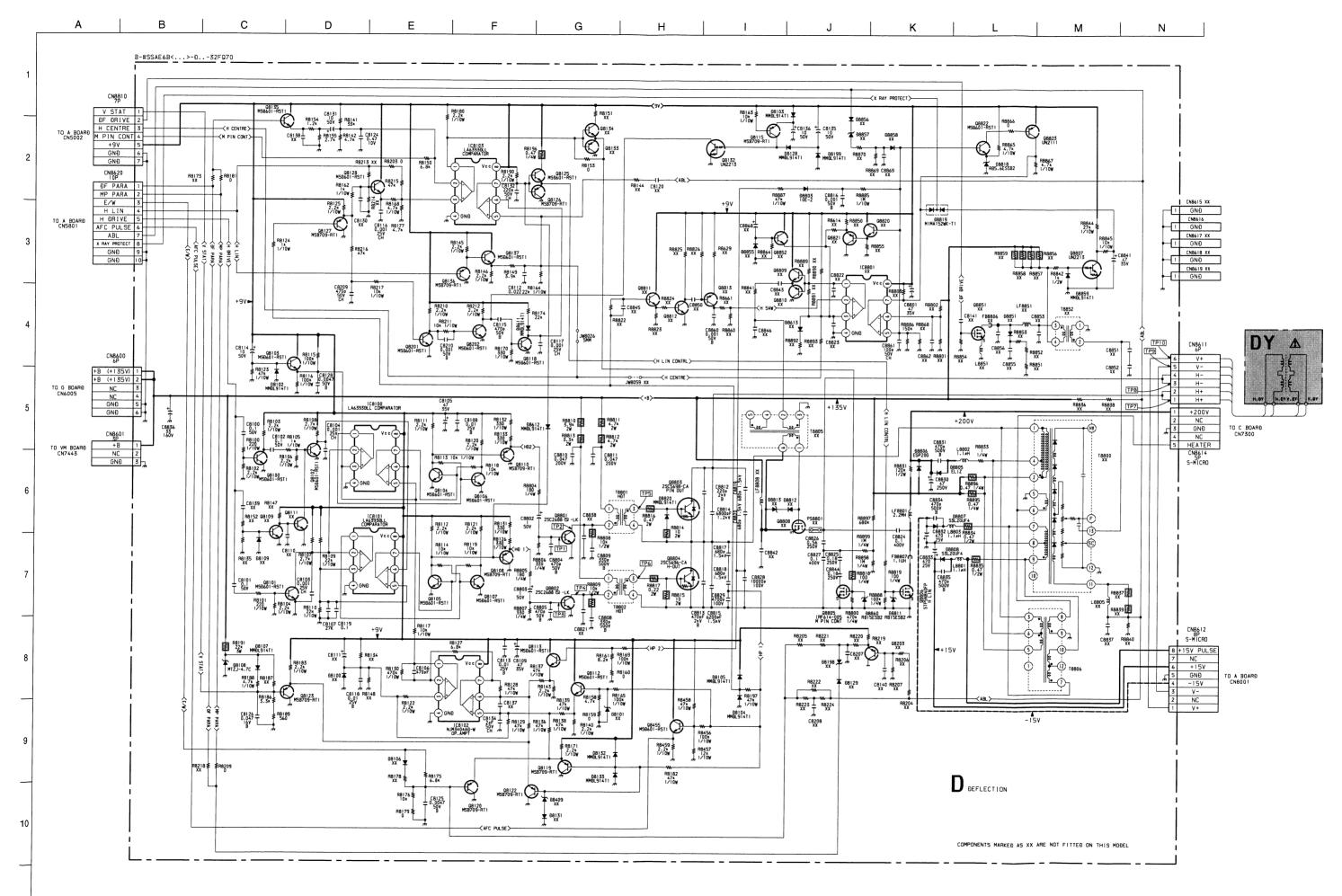
## ~ D Board IC Voltage Table ~

Ref No   Pin No   Voltage (V)									
Ref No	Pin No	Voltage (V)							
	1	0.3							
	2	4.3							
IC8100	3	4.1							
100100	5	4.1							
	6	3.0							
	7	0.4							
	1	0.3							
	2	4.3							
IC8101	3	4.4							
100101	5	4.4							
	6	3.0							
	7	0.4							
	_ 1	4.1							
	2	0.4							
IC8102	5	0.4							
TOUTUE		0.4							
	6	0.4							
	7	0.4							
	1	2.5							
	2	2.1							
IC8103	3	1.7							
	5	1.6							
	6	1.0							
	7	1.1							

## ~ D Board Semiconductor Voltage Table ~

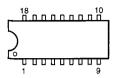
Ref	(e)(s)	(b)(g)	(c)(d)												
Q8100	0	0.6	3.6	Q8110	2.4	3.1	0	Q8128	3.4	1.5	8.9	Q8801	0	0.4	64.7
Q8101	0	0.6	4.3	Q8113	0.3	0.2	8.9	Q8132	0	0	3.4	Q8802	0	0.4	73.2
Q8102	0	0.3	4.3	Q8115	8.6	8.9	0	Q8135	2.6	3.2	8.9	Q8807	0	6.3	0
Q8103	4.0	0	8.9	Q8118	0	0	5.0	Q8136	2.5	1.8	0	Q8818	0	0	5.0
Q8104	0	0.4	3.1	Q8119	0.7	1.4	0	Q8137	1.8	2.5	8.9	Q8822	5.5	4.9	0
Q8105	0	0.4	3.2	Q8120	0.7	2.3	0	Q8201	0	0.6	3.9	Q8823	8.9	8.5	0
Q8106	0	0.3	4.3	Q8122	0.5	1.4	0	Q8202	0	0.8	3.4	Q8805	0	2.5	33
Q8107	0	0.3	4.2	Q8123	0.5	1.4	0	Q8203	1.4	0.9	0	Q8806	0	1.2	135
Q8108	2.4	3.2	0	Q8127	1.4	1.5	0	Q8455	1.1	1.7	8.9	Q8851	0	5.4	81.5

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#### 5-4. SEMICONDUCTORS

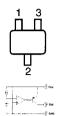
CXAB070AP MCZ3001D



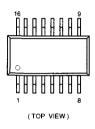
LM318P LM358N LM393DT LM393N M24C16-MN6T(A)



PST573IMT



CXA1875AM-T4



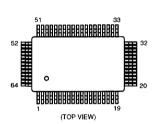
LM78L05ACZ



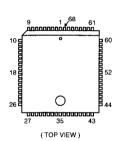
SAA5665HL/M1D/0358



CXA2100AQ-TL



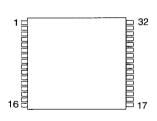
MSP3411G-QA-B11



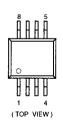
SBX3081-51(30)



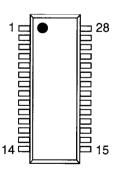
K6T2008V2E-YF70T



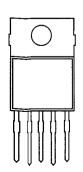
NJM3404AD-W UPC4558G2



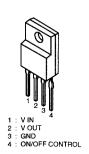
SDA9488X-B23GEG



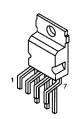
LA6500-FA



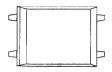
PQ30RV11



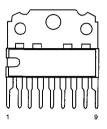
STV9379



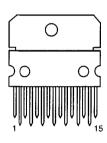
#### TCET1103G



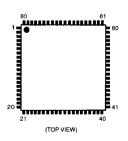
TDA6111Q/N4



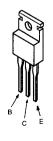
TDA7497



VPS9402-A32GEG



BA12T BA033T IRF614-005 IRF620 SPA07N60C2 2SA2005 2SC5511



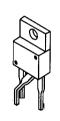
DTA144EK DTC144TKA-T146 2SA1162-G



DTA144ESA 2SA933AS-QT 2SC2785-HFE



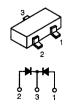
L7809CV/LSY STP5NB40FP STP5NB40(030Y) 2SC5698-CA 2S5696-SONY-CA



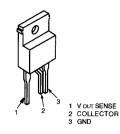
MSB709-RT1 MSD601-RST1 M1MA152WA-T1 UN2111 UN213 2SK2036(TE85L)



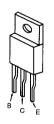
RB705D



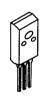
SE135N-LF4



2SA1837(LBS2S0N)



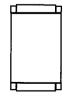
2SB734-34



2SC2688(5)-LK



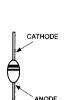
BAS216



BAS316-115 MMDL914T1 UDZSTE-176.2B



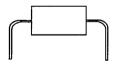
BYV98-200-RAS 15/12

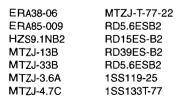


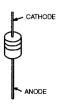
D1NL20U EGP20G EL1Z GP08D UF4005PKG23



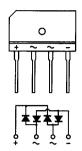
D2S4MTA1



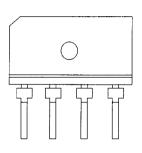




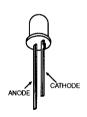
FBIU4D7MA-B RBV-406B S1VB40



#### GS1B460/45

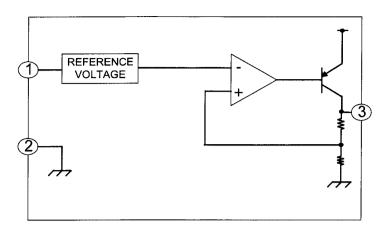


TLHK5190

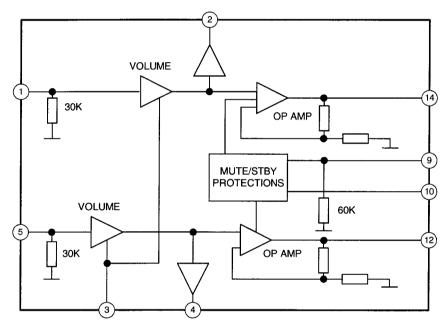


#### 5-5 IC BLOCK DIAGRAMS

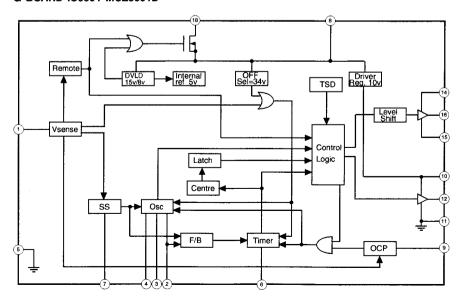
#### A BOARD IC6202/IC6205 BA033T/BA12T



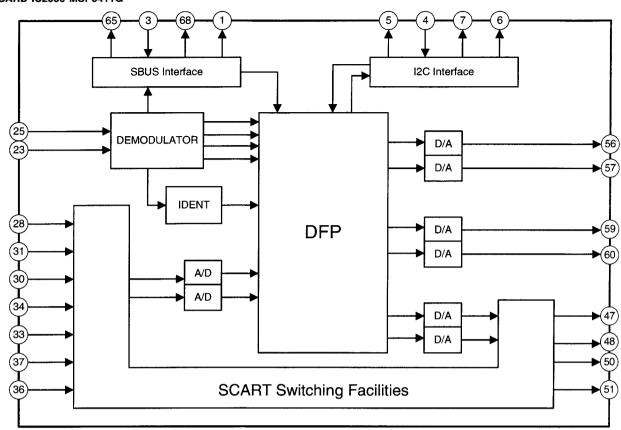
#### **A BOARD IC2500 TDA7497**



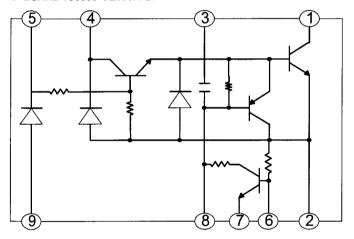
#### G BOARD IC6001 MCZ3001D



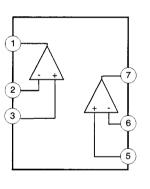
#### A BOARD IC2000 MSP3411G



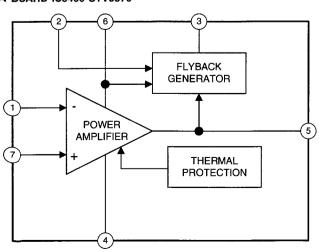
#### G BOARD IC6003 SE135N-LF4



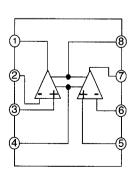
#### A BOARD IC5301/IC5302 LA6393DLL



#### A BOARD IC5400 STV9379



#### A BOARD IC5300 LM358N



## SECTION 6 EXPLODED VIEWS

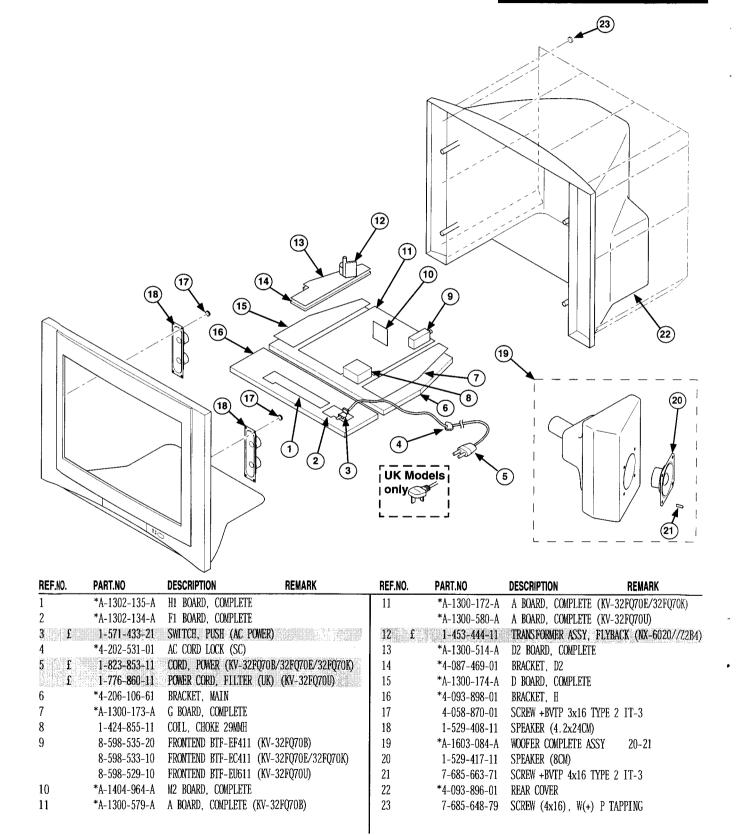
#### NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

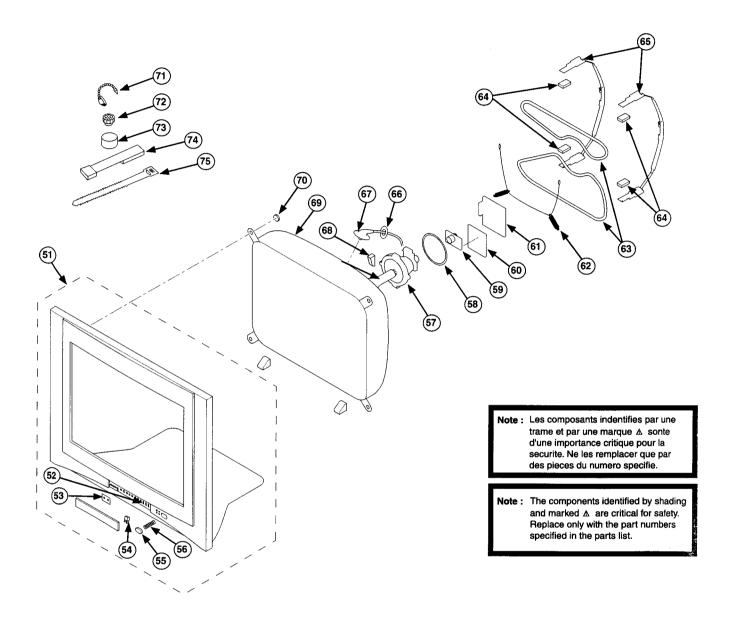
Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Note: Les composants indentifies par une trame et par une marque A sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

#### 6-1. CHASSIS



## 6-2. PICTURE TUBE



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
51	*X-4041-364-1	BEZNET ASSY	52-56	64	4-203-390-11	CUSHION, DGC	
52	*4-087-533-01	MULTI BUTTON		65	*4-204-768-01	HOLDER, DGC	
53	4-087-530-01	GUIDE, LIGHT		66	*4-203-022-01	HOLDER, HV	
54	4-085-507-03	SPRING, DOOR		67 £	1-251-374-33	CAP ASSY, HIGH-VO	LTAGE
55	4-087-527-01	POWER BUTTON		68	3-704-495-01	SPACER, DY	
56	4-204-426-01	SPRING		69 £	8-735-079-05	PICTURE TUBE (W76	SLIZO60X)
57 £	1-451-480-22	DEFLECTION YOKE (Y	32RVC2)	70	4-046-765-12	SCREW, TAPPING 7+	-CROWN WASHER
58	1-419-363-11	COIL, NA ROTATION		71	4-308-870-00	CLIP, LEAD WIRE	
59 £	8-453-011-11	NECK ASSY, (NA299-	M)	72	1-452-094-00	MAGNET, ROTATABLE	E DISK; 15MM
60		VM BOARD, COMPLETE		73	1-452-032-00	MAGNET, DISK; 10N	M
61	*A-1302-133-A	C BOARD, COMPLETE		74	X-4387-214-1	PERMALLOY ASSY, (	CORRECTION
62	4-369-318-21	SPRING, TENSION		75	3-701-007-00	BAND, BINDING	
63 £	1-424-888-11	COIL, DEGAUSSING					

# SECTION 7 ELECTRICAL PARTS LIST

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Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	N .	REA	IARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
* A-13	00-173-A GE	Board, Com	plete				< CONNEC	TOR >	
	4-382-854-01	SCREW (M3X8)	, P, SW (+)			CN6001	£* 1-691-291-11	PIN, CONNECTO	R (PC BOARD) 5P
	4-382-854-01	SCREW (M3X8)	, P, SW (+)			100000000000000000000000000000000000000	£ * 1-508-786-00		R (5MM PITCH) 2P
	< CAPACIT	mr >				1 7000000000000000000000000000000000000	£ * 1-508-765-00 £ * 1-691-960-11		R (5MM PITCH) 3P R (PC BOARD) 3P
	< GHIAGI	TOR >					* 1-817-037-61		
C6001 £	00000000000000000000000000000000000000		0.1UF		275V	ONTO O O O		DI 110	
C6002 £		FILM CERAMIC	0.1UF 1000PF	10.00%	275V	CN6006 CN6008	* 1-564-516-11 * 1-564-507-11		
	E 1-119-899-51	CERAMIC	1000FF	10.00%	337533380 08 4 FEE 332 J 837 F	CN6010	* 1-564-511-11		
C6005	1-126-965-91	ELECT	22UF	20.00%					
00000	4 445 550 44	DI DOM (DI OOIO	AZOUE	00 000	45017		< DIODE	>	
C6006 C6007	1-117-753-11 1-126-964-11	ELECT (BLOCK) ELECT	470UF 10UF	20.00% 20.00%		D6001	6-500-067-01	DIODE GSIB4601	T /AE
C6007	1-126-963-11	ELECT	4.7UF	20.00%		D6001	8-719-982-26		
C6010	1-136-165-00	FILM	0.1UF	5.00%		D6004	8-719-979-64		
C6011	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	D6006	8-719-081-97		
Ocoto e	5 3 404 F74 Ot S	OPNIME	0.0015115	10 000	· OIT!	D6007	8-719-081-97	DIODE MMDL914	<b>11</b>
	E 1-104-571-91 E 1-104-571-91	CERAMIC CERAMIC	0.0015UF 0.0015UF	10.00% 10.00%	9,0000000000000000000000000000000000000	D6008	8-719-063-70	DIODE D1NL20U	
C6014	1-113-610-11	ELECT (BLOCK)		20%	250V	D6009	8-719-110-41		
C6015	1-115-339-11	CERAMIC CHIP		10.00%		D6010	8-719-085-24		
C6016	1-104-571-91	CERAMIC	0.0015UF	10.00%	2KV	D6011	8-719-033-12		
CC017	1 104 571 01	CERAMIC	0.001510	10 000/	NA .	D6012	8-719-033-12	DIODE S3L40F	
C6017 C6018	1-104-571-91 1-126-949-11	ELECT	0.0015UF 220UF	10.00% 20.00%		D6016	8-719-060-88	DIODE D4SBS6	
C6020	1-135-946-22	FILM	47000PF	3%	800V	D6031	8-719-080-59		
C6021	1-164-645-11	CERAMIC	1000PF	10.00%	500V	D6032	8-719-080-59		
C6022	1-126-963-11	ELECT	4.7UF	20.00%	50V	D6033	8-719-022-97	DIODE D2S4MF	
C6023	1-110-626-11	ELECT	330UF	20.00%	160V	D6034	8-719-022-97	DIODE D2S4MF	
C6023	1-110-020-11	CERAMIC	680PF	10.00%		D6035	1-535-303-00	LEAD, JUMPER (	(5.0MM)
C6025	1-164-625-11	CERAMIC	680PF	10.00%		D6036	1-216-295-91		0
C6026	1-164-625-11	CERAMIC	680PF	10.00%		D6101	8-719-081-97	DIODE MMDL9147	1
C6027	1-164-625-11	CERAMIC	680PF	10.00%	500V	D6102 D6103	8-719-511-40	DIODE S1VB40 DIODE MMDL9147	71
C6028	1-128-548-11	ELECT	4700UF	20.00%	25V	10103	0-119-001-91	DIODE MMDL9141	11
C6029	1-126-939-11	ELECT	10000UF	20.00%		D6104	8-719-081-97	DIODE MMDL9147	1
C6030	1-119-940-51	ELECT	4700UF	20.00%	50V	D6105	8-719-081-97	DIODE MMDL9147	
C6031	1-535-143-71	LEAD, JUMPER			arnu	D6106	8-719-081-97	DIODE MMDL9147	
C6032 £	1-113-927-11	CERAMIC	0.01UF		250V	D6107	8-719-081-97	DIODE MMDL914T	II
C6033	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V		< FERRIT	E BEAD >	
C6034	1-162-968-11	CERAMIC CHIP		10.00%					
C6035	1-136-165-00	FILM	0.1UF	5.00%		FB6001	1-410-397-21	FERRITE	1.1UH
C6036 C6037	1-136-479-11	FILM ELECT	0.001UF 47UF	5.00% 20.00%		FB6002 FB6003	1-410-397-21 1-410-397-21	FERRITE	1.1UH
00001	1-126-947-11	TTIMI	11 UĽ	LU. UU/0	UJ 1	FB6004	1-410-397-21	FERRITE FERRITE	1.1UH 1.1UH
C6038	1-164-645-11	CERAMIC	1000PF	10.00%	500V	FB6005	1-535-303-00		(5.0MM)
C6039	1-125-891-11	CERAMIC CHIP		10.00%					
C6040	1-115-340-11	CERAMIC CHIP		10.00%		FB6006	1-535-303-00	LEAD, JUMPER	(5.0MM)
C6045 C6102	1-115-339-11 1-126-943-11	CERAMIC CHIP ELECT	2200UF	10.00% 20.00%			< IC >		
00102	1-160-343-11	PPPOI	LLUUUT	20.00/0	<i>L</i> J1		< 16 >		
C6103	1-126-971-11	ELECT	470UF	20.00%		IC6001	8-759-670-30	IC MCZ3001D	
C6105	1-126-964-11	ELECT	10UF	20.00%		IC6003	8-749-016-19	IC SE135N-LF4	
C6106	1-126-964-11	ELECT	10UF	20.00%	50V				



REF.NO.	PART.NO	DESCRIPTION		REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
	< COIL >				R6032	1-249-417-11	CARBON	1K	5%	1/4W
					R6033	1-215-481-00	METAL	330K		1/4W
L6001	1-406-663-21	INDUCTOR	47UH		R6034	1-249-389-11	CARBON	4.7	5%	1/4W
L6002	1-412-527-11	INDUCTOR	15UH		R6035	1-260-083-11	CARBON	47	5%	1/2W
L6003	1-412-527-11	INDUCTOR	15UH		R6036	1-216-817-11	METAL CHIP	470	5%	1/10W
L6004	1-535-303-00	LEAD, JUMPER							0,0	1, 10,
L6005	1-535-303-00	LEAD, JUMPER	, ,		R6037	1-249-405-11	CARBON	100	5%	1/4W
		, 5	()		R6038	1-208-830-11	METAL CHIP	100K		1/10W
L6006	1-406-659-11	INDUCTOR	10UH		R6039	1-208-830-11	METAL CHIP			1/10W
L6007	1-412-525-31	INDUCTOR	10UH		R6040	1-208-814-91	METAL CHIP	22K		1/10W
L6008	1-406-670-11		680UH		R6042	1-216-295-91	SHORT CHIP	0		
	< PHOTOCO	OUPLER >			R6045	1-216-639-11	METAL CHIP	330	0.5%	1/10W
					R6047	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
PH6001 £	8-749-016-21	IC TCET1103G			R6048	1-215-481-00	METAL	330K	1%	1/4W
- 10 00000					R6049	1-208-805-11	METAL CHIP	9.1K	0.5%	1/10W
	< TRANSIS	STOR >			R6050	1-208-758-11	METAL CHIP	100	0.5%	1/10W
Q6003	8-729-010-29	TRANSISTOR MS			R6054	1-216-615-11	METAL CHIP	33	0.5%	1/10W
Q6005	8-729-029-56	TRANSISTOR D			R6056	1-216-295-91	SHORT CHIP	0		
<b>Q</b> 6006	6-550-146-01	TRANSISTOR SI			R6057	1-208-798-11	METAL CHIP			1/10W
Q6007	6-550-146-01	TRANSISTOR SI		152	R6101	1-216-821-11	METAL CHIP	1 K	5%	1/10W
<b>Q</b> 6010	8-729-119-78	TRANSISTOR 29	SC2785-HFE		R6102	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
00101	0 720 020 56	TDANCICTOD M	PA 1 A A EC A		DC102	1 216 021 11	METAL CHID	1 V	EOV	1 /100
Q6101	8-729-029-56	TRANSISTOR DI			R6103	1-216-821-11	METAL CHIP METAL CHIP	1 K	5%	1/10W
Q6102	8-729-010-29	TRANSISTOR DI			R6104	1-216-821-11	METAL CHIP	1K	5% 5%	1/10W
Q6103 Q6104	8-729-029-56 8-729-010-29	TRANSISTOR MS			R6105 R6106	1-216-821-11 1-216-829-11	METAL CHIP	1K 4.7K	5% = 0	1/10W 1/10W
Q6105	8-729-010-29	TRANSISTOR MS			R6107	1-216-829-11	METAL CHIP	4.7K		1/10W
Q0103	0-729-010-29	INANSISION NO	11 CVI – 100AG		KOTUT	1-210-029-11	METAL CHIT	4.7K	J70	1/ 10W
	< RESISTO	)R >			R6108	1-216-821-11	METAL CHIP	1K	5%	1/10W
					R6109	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
JR6004	1-216-295-91	SHORT CHIP	0		R6110	1-216-821-11	METAL CHIP	1 K	5%	1/10W
Donon o	1 000 000 01	PROFEE	0.1.100	1 7001		DDI 437				
		FUSTBLE	0.1 10% 1 5%	1/2W 10W		< RELAY >				
		CEMENTED	1 5% 1 5%	10W	DVC001 C	1-755-395-11	DELAY (AC DOM	CD)		
	1-205-998-11 1-205-998-11	CEMENTED	1 5%	10W						
R6007	1-243-979-21	METAL OXIDE	0.1 5%	2W	KIOUUZ 1	1-755-389-11	RELAT (AC FUN	ck)		
KOOUI	1-243-373-21	METUT OVIDE	0.1 3/0	Lit		< TRANSFO	RMER >			
R6008	1-243-979-21	METAL OXIDE	0.1 5%	2W		11411010	TUNEIX -			
R6009	1-216-687-11	METAL CHIP	33K 0.5%		T6002 £	1-437-850-12	(PIT) CONVERT	ER TRAI	NSFORM	ER .
R6010	1-215-481-00	METAL	330K 1%	1/4W		1-424-896-11	TRANSFORMER, I			
	1-218-265-11	METAL	8.2M 5%	1W	\$80,000 ASS 1840,000	1-437-483-11	TRANSFORMER, S	STANDB'	Y	
R6014	1-215-926-00	METAL OXIDE	33K 5%	3W				Marian (C. 14 gr.)	<0.000 F00 F000.	70000000 ° 51 2 Miles et 1915,5
						< THERMIS	TOR >			
R6015	1-208-757-11	METAL CHIP		1/10W						a. 10. 10. 10. 1000 a. 11 10 00 00 00 a.
R6016	1-216-821-11	METAL CHIP	1K 5%	1/10W	TH6002 £	1-804-650-11	THERMISTOR, PO	KITIV	E	
R6017	1-216-833-11	METAL CHIP	10K 5%	1/10W		-				
R6018	1-260-131-11	CARBON	470K 5%	1/2W	* A-130	0-174-A DB	oard, Compl	ete		
R6019	1-260-130-81	CARBON	390K 5%	1/2W		<i>1</i> _382_85 <i>1</i> _01	SCREW (M3X8),	D CW	( <del>,</del> )	
R6020	1-216-820-11	METAL CHIP	820 5%	1/10W		T-904 <b>-</b> 034-01	JULLII (MJAO),	1, JII	(*)	
R6020	1-216-362-11	METAL CITT	0.27 5%	2W		< CAPACIT	OR >			
R6021	1-216-833-11	METAL CALDE	10K 5%	1/10W		- omnorr	···· ·			
R6024	1-216-615-11	METAL CHIP		1/10W	C8100	1-136-165-00	FILM (	).1UF	1	5.00% 5 <b>0</b> V
R6029	1-216-833-11	METAL CHIP	10K 5%	1/10W	C8101	1-136-165-00		). 1UF		5.00% 5 <b>O</b> V
140020	1 210-000-11	writh AIII	1011 J/0	1/ 1011	C8102	1-136-165-00		). 1UF		5.00% 5 <b>0</b> V
R6030	1-216-817-11	METAL CHIP	470 5%	1/10W	C8103	1-115-416-11	CERAMIC CHIP (			5.00% 2 <b>5</b> V
びんりか	1-710-011-11	WEITE CHIL	110 3/0	1/ 1011	00100	1 110 110 11	OTHERT OHIT (	00101		J. 00/0 (4) 1



REF.NO.	PART.NO	DESCRIPTION	N	REN	MARK	REF.NO.	PART.NO	DESCRIPTION	l	REMARK
C8104	1-115-416-11	CERAMIC CHIE		5.00%	25V	C8831	1-102-228-00	CERAMIC	470PF	10.00% 500V
C8105	1-115-410-11	ELECT	47UF	20.00%		C8832	1-102-220-00	ELECT	4701F	20.00% 25V
C8106	1-164-315-11	CERAMIC CHIE		5.00%		C8833	1-126-941-11	ELECT	470UF	20.00% 25V 20.00% 25V
C8107	1-216-685-11		27K		1/10W	C8834		CERAMI C		
						1	1-102-228-00		470PF	10.00% 500V
C8108	1-162-970-11	CERAMIC CHIE	0.0101	10.00%	0 Z3V	C8835	1-102-228-00	CERAMIC	470PF	10.00% 500V
C8109	1-126-947-11	ELECT	47UF	20.00%		C8836	1-123-024-21	ELECT	33UF	160V
C8112	1-164-227-11	CERAMIC CHIE		10.00%		C8841	1-126-947-11	ELECT	47UF	20.00% 35V
C8113	1-162-970-11	CERAMIC CHIE		10.00%		C8844	1-115-513-21	FILM	0.18UF	5.00% 250V
C8114	1-126-964-11	ELECT	10UF	20.00%		C8860	1-162-964-11	CERAMIC CHIP		10.00% 50V
C8115	1-162-962-11	CERAMIC CHIE	9 470PF	10.00%	6 50V	C8861	1-162-927-11	CERAMIC CHIP	100PF	5.00% 50V
C8116	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V		< CONNECT	'OR >		
C8117	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V					
C8118	1-162-970-11	CERAMIC CHIP	0.01UF	10.00%	5 25V	CN8600	* 1-817-037-61	PLUG, CONNEC	FOR 6P	
C8119	1-107-826-11	CERAMIC CHIP	0.1UF	10.00%	5 16V	CN8601	* 1-816-980-71	PLUG, CONNEC	FOR 3P	
C8124	1-125-891-11	CERAMIC CHIP	0.47UF	10.00%	5 10V	CN8611	* 1-785-270-12	PIN, DY CONN	ECTOR (PC B	OARD)
						CN8612	* 1-816-979-51	PLUG, CONNEC	`	,
C8125	1-162-968-11	CERAMIC CHIP	0.0047UF	10.00%	5 50V	CN8614	* 1-564-508-11	PLUG, CONNEC		
C8126	1-165-176-11	CERAMIC CHIP		10.00%						
C8128	1-162-968-11	CERAMIC CHIP		10.00%		CN8616	1-695-915-11	TAB (CONTACT)	1	
C8131	1-126-964-11	ELECT	10UF	20.00%		CN8620	1-764-333-11	PIN, CONNECTO		YPE) 10P
C8132	1-164-230-11	CERAMIC CHIP		5.00%		CN8810	* 1-564-510-11	PLUG, CONNEC		11 1) 101
C8134	1-102-935-00	CERAMIC	2PF	0.25PF			< DIODE >			
C8135	1-126-964-11	ELECT	10UF	20.00%						
C8136	1-126-964-11	ELECT	10UF	20.00%		D8102	8-719-081-97	DIODE MMDL914		
C8209	1-164-315-11	CERAMIC CHIP		5.00%		D8103	8-719-081-97	DIODE MMDL914		
C8210	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	D8104	8-719-081-97	DIODE MMDL914		
						D8105	8-719-081-97	DIODE MMDL914		
C8801	1-126-947-11	ELECT	47UF	20.00%		D8107	8-719-081-97	DIODE MMDL914	IT1	
C8802	1-126-960-11	ELECT	1UF	20.00%						
C8803	1-126-960-11	ELECT	1UF	20.00%		D8108	8-719-921-40	DIODE MTZJ-4.		
C8804	1-102-114-00	CERAMIC	470PF	10.00%	1	D8128	8-719-081-97	DIODE MMDL914		
C8805	1-102-114-00	CERAMIC	470PF	10.00%	50V	D8132	8-719-081-97	DIODE MMDL914		
						D8133	8-719-081-97	DIODE MMDL914	T1	
C8808	1-102-030-00	CERAMIC	330PF	10.00%		D8199	8-719-081-97	DIODE MMDL914	T1	
C8809	1-102-030-00	CERAMIC	330PF	10.00%						
C8810	1-107-368-11	MYLAR	0.047UF	10.00%	1	D8611	8-719-081-97	DIODE MMDL914	T1	
C8811	1-107-368-11	MYLAR	0.047UF	10.00%		D8612	8-719-081-97	DIODE MMDL914	T1	
C8812	1-162-131-11	CERAMIC	220PF	10.00%	2KV	D8803	8-719-200-02	DIODE 10E-2		
						D8805	8-719-302-43	DIODE EL1Z		
C8813	1-162-134-11	CERAMIC	470PF	10.00%		D8806	8-719-979-85	DIODE EGP20G		
C8814	1-117-640-11	FILM	6800PF	3.00%	1.2KV					
C8815	1-117-835-11	FILM	6200PF	3.00%	1.5KV	D8807	8-719-510-73	DIODE S3L20UF	4	
C8816	1-162-964-11	CERAMIC CHIP	0.001UF	10.00%	50V	D8808	8-719-510-73	DIODE S3L20UF	4	
C8817	1-125-893-11	FILM	680PF	3.00%	1.5KV	D8811	8-719-110-41	DIODE RD15ESE	2	
						D8818	8-719-109-89	DIODE RD5.6ES	B2	
C8818	1-125-893-11	FILM	680PF	3.00%	1.5KV	D8819	8-719-050-38	DIODE M1MA152	WK-T1	
C8819	1-125-893-11	FILM	680PF	3.00%	1.5KV					
C8820	1-125-893-11	FILM	680PF	3.00%	•	D8820	8-719-081-97	DIODE MMDL914	T1	
C8824	1-107-846-11	FILM	0.1UF	5.00%		D8859	8-719-081-97	DIODE MMDL914		
C8825	1-117-662-11	FILM	0.18UF	5.00%		D8860	8-719-110-41	DIODE RD15ESE		
C8826	1-115-519-11	FILM	0.56UF	5.00%	250V		< FERRITE	READ ~		
C8827	1-113-313-11	FILM	0.300F 0.1UF	5.00%			~ FERMITE	∠ תושנות		
C8828	1-107-640-11	FILM	10000PF	3.00% 2%	100V	FB8807	1-410-397-21	CCODITE	1 111111	
C8829	1-127-001-11	FILM	4700PF	2% 2%	100V 100V	1.00001	1-410-037-21	TERRI IE	1.1UH	
C8830	1-127-060-11	ELECT	4700FF 47UF	20.00%	1					
00000	1 101 -000 -11	TITIOT	11 01	40.00/0	2001					



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION		REMARK
	< IC >			Q8806	8-729-047-59	TRANSISTOR STP5NB	40FP	
				08807	8-729-421-19	TRANSISTOR UN2213		
IC8100	8-759-659-67	IC LA6393DLL		08822	8-729-010-29	TRANSISTOR MSD601	-RST1	
IC8101	8-759-659-67	IC LA6393DLL		Q8823	8-729-424-08	TRANSISTOR UN2111	1011	
IC8102	8-759-638-79	IC NJM3404AD-W		Q0020	0 720 121 00	THE ROTOTOR CHETTI		
IC8103	8-759-659-67	IC LA6393DLL			< RESISTO	)R >		
100100		TO IMOSSOULE			\ MD1010	M. ~		
	< COIL >			R8100	1-216-813-11	METAL CHIP 220	5%	1/10W
T 0004		DDDDIAM		R8101	1-216-813-11	METAL CHIP 220	5%	1/10W
L8801	1-410-397-21	FERRITE 1.1UH		R8102	1-216-825-11	METAL CHIP 2.2		1/10W
L8802	1-410-397-21	FERRITE 1.1UH		R8103	1-216-825-11	METAL CHIP 2.2		1/10W
L8803	1-410-397-21	FERRITE 1.1UH		R8104	1-216-825-11	METAL CHIP 2.2	K 5%	1/10W
	< INDUCTO	OR >		R8105	1-216-821-11	METAL CHIP 1K	5%	1/10W
				R8106	1-216-825-11	METAL CHIP 2.2		1/10W
LF8801	1-406-985-11	INDUCTOR 2.2MH		R8107	1-208-792-11	METAL CHIP 2.7	( 0.5%	1/10W
				R8108	1-208-792-11	METAL CHIP 2.7	( 0.5%	1/10W
	< TRANSIS	STOR >		R8109	1-208-814-91	METAL CHIP 22K	0.5%	1/10W
<b>Q8</b> 100	8-729-010-29	TRANSISTOR MSD601-RST1		R8110	1-208-814-91	METAL CHIP 22K	0.5%	1/10W
Q8101	8-729-010-29	TRANSISTOR MSD601-RST1		R8111	1-216-825-11	METAL CHIP 2.21		1/10W
Q8102	8-729-010-29	TRANSISTOR MSD601-RST1		R8112	1-216-825-11	METAL CHIP 2.21		1/10W
Q8103	8-729-010-29	TRANSISTOR MSD601-RST1		R8113	1-216-833-11	METAL CHIP 10K	5%	1/10W
Q8104	8-729-010-29	TRANSISTOR MSD601-RST1		R8114	1-216-833-11	METAL CHIP 10K	5%	1/10W
Q8105	8-729-010-29	TRANSISTOR MSD601-RST1		R8115	1-216-845-11	METAL CHIP 1001	5%	1/10W
Q8106	8-729-010-29	TRANSISTOR MSD601-RST1		R8116	1-216-845-11	METAL CHIP 1001		1/10W
Q8107	8-729-010-29	TRANSISTOR MSD601-RST1		R8117	1-216-833-11	METAL CHIP 108	5%	1/10W
Q8108	8-729-010-05	TRANSISTOR MSB709-RT1		R8118	1-216-833-11	METAL CHIP 10K	5%	1/10W
Q8110	8-729-010-05	TRANSISTOR MSB709-RT1		R8119	1-216-833-11	METAL CHIP 10K	5%	1/10W
Q8112	8-729-010-29	TRANSISTOR MSD601-RST1		R8120	1-216-825-11	METAL CHIP 2.21	E0/	1/10W
	8-729-010-29	TRANSISTOR MSD601-RST1		R8121			5%	
08113		TRANSISTOR MSB709-RT1		1	1-216-825-11 1-216-825-11		5%	1/10W
Q8115	8-729-010-05			R8122		METAL CHIP 2.21		1/10W
Q8118	8-729-010-29	TRANSISTOR MSD601-RST1 TRANSISTOR MSB709-RT1		R8123	1-216-841-11	METAL CHIP 47K	5%	1/10W
Q8119	8-729-010-05	IVANOTOTOK WODIOS-KII		R8124	1-216-821-11	METAL CHIP 1K	5%	1/10W
Q8120	8-729-010-05	TRANSISTOR MSB709-RT1		R8125	1-216-825-11	METAL CHIP 2.2	5%	1/10W
Q8122	8-729-010-05	TRANSISTOR MSB709-RT1		R8126	1-216-815-11	METAL CHIP 330	5%	1/10W
Q8123	8-729-010-05	TRANSISTOR MSB709-RT1		R8127	1-208-802-11	METAL CHIP 6.8		1/10W
Q8125	8-729-010-29	TRANSISTOR MSD601-RST1		R8128	1-208-822-11	METAL CHIP 47K		1/10W
Q8126	8-729-010-05	TRANSISTOR MSB709-RT1		R8129	1-208-822-11	METAL CHIP 47K	0.5%	1/10W
Q8127	8-729-010-05	TRANSISTOR MSB709-RT1		R8130	1-208-846-11	METAL CHIP 470k	0.5%	1/10W
Q8128	8-729-010-29	TRANSISTOR MSD601-RST1		R8131	1-216-815-11	METAL CHIP 330	5%	1/10W
Q8132	8-729-421-19	TRANSISTOR UN2213		R8132	1-216-815-11	METAL CHIP 330	5%	1/10W
Q8135	8-729-010-29	TRANSISTOR MSD601-RST1		R8133	1-216-815-11	METAL CHIP 330	5%	1/10W
Q8136	8-729-010-05	TRANSISTOR MSB709-RT1		R8136	1-208-822-11	METAL CHIP 47K		1/10W
Q8137	8-729-010-29	TRANSISTOR MSD601-RST1		R8137	1-208-822-11	METAL CHIP 47K	U 207	1/10W
Q8201	8-729-010-29	TRANSISTOR MSD601-RST1		R8138	1-208-822-11	METAL CHIP 47K		1/10W 1/10W
Q8201 Q8202	8-729-010-29	TRANSISTOR MSD601-RST1		R8139	1-208-822-11			
-	8-729-010-29 8-729-010-29	TRANSISTOR MSD601-RST1		R8140				1/10W
Q8455 Q8801	8-729-010-29 8-729-048-47	TRANSISTOR 2SC2688(5)-LK		R8141	1-216-825-11 1-208-818-11	METAL CHIP 2.2K METAL CHIP 33K		1/10W 1/10W
00000	0 720 040 47	TDANCICTOD OCCOCOCC IV		DO1 40	1 200 700 44	METAL CHED 4 70		
Q8802	8-729-048-47	TRANSISTOR 2SC2688(5)-LK		R8142	1-208-798-11		0.5%	
08803	8-729-056-16	TRANSISTOR 2SC5698-SONY-(		R8143	1-216-825-11	METAL CHIP 2.2K		1/10W
Q8804 Q8805	8-729-056-17	TRANSISTOR 2SC5696-SONY-(	u <b>n</b>	R8145	1-216-825-11	METAL CHIP 2.2K		1/10W
Q8805	8-729-050-48	TRANSISTOR IRF614-005		R8146	1-208-790-11	METAL CHIP 2.2K	0.5%	1/ IUW





REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R8149	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	R8808	1-260-340-11	CARBON	10K	5%	1/2W
R8150	1-218-867-11	METAL CHIP			1/10W	R8809	1-260-340-11	CARBON	10K	5%	1/2W
R8153	1-216-295-91	SHORT CHIP	0			R8810	1-216-460-11	METAL OXIDE	3.9K	5%	2W
R8154	1-208-784-11	METAL CHIP		0.5%	1/10W	R8811	1-215-896-00	METAL OXIDE	4.7K		2W
R8155	1-216-059-00	RES-CHIP	2.7K		1/10W	R8812	1-215-896-00	METAL OXIDE	4.7K		2W
KOIJJ	1-210-033-00	NEO-CHT1	2.1K	J <i>7</i> 0	1/104	ROOIL	1-213-000-00	MILIAL UNIDL	1.1K	J/0	211
R8158	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W	R8813	1-215-895-11	METAL OXIDE	3.3K	5%	2W
R8159	1-216-295-91	SHORT CHIP	0			R8814	1-215-880-00	METAL OXIDE	10	5%	2W
R8160	1-216-295-91	SHORT CHIP	0			R8815	1-215-880-00	METAL OXIDE	10	5%	2W
R8161	1-208-804-11	METAL CHIP	8.2K	0.5%	1/10W	R8816	1-216-365-00	METAL OXIDE	0.47	5%	2W
R8162	1-216-821-11	METAL CHIP	1K	5%	1/10W	R8817	1-216-361-00	METAL OXIDE	0.22	5%	2W
R8163	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8818	1-249-405-11	CARBON	100	5%	1/4W
						1					
R8164	1-208-814-91	METAL CHIP	22K		1/10W	R8819	1-247-807-31	CARBON	100	5%	1/4W
R8165	1-208-830-11	METAL CHIP			1/10W	R8831	1-260-124-11	CARBON	120K	5%	1/2W
R8168	1-216-829-11	METAL CHIP	4.7K		1/10W	R8833	1-202-972-61	FUSIBLE	1	5%	1/4W
R8169	1-208-830-11	METAL CHIP	100K	0.5%	1/10W	R8834	1-260-288-11	CARBON	0.47	5%	1/2W
R8170	1-216-815-11	METAL CHIP	330	5%	1/10W	R8835	1-260-288-11	CARBON	0.47	5%	1/2W
R8171	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8842	1-260-328-11	CARBON	1K	5%	1/2W
R8174	1-216-837-11	METAL CHIP	22K	5%	1/10W	R8844	1-216-838-11	METAL CHIP	27K	5%	1/10W
R8175	1-218-867-11	METAL CHIP			1/10W	R8845	1-216-833-11	METAL CHIP	10K	5%	1/10W
R8176	1-216-833-11	METAL CHIP	10K	5%	1/10W 1/10W	R8865	1-216-829-11	METAL CHIP	4.7K		1/10W
K0110	1-210-655-11	METAL CHIT	IUK	<i>31</i> 0	1/10W	KOOOJ	1-210-023-11	MEIAL CHII	4.71	J <i>1</i> 0	1/ 1014
R8177	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8866	1-216-295-91	SHORT CHIP	0		
R8179	1-216-295-91	SHORT CHIP	0			R8867	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R8180	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8885	1-208-854-11	METAL CHIP	1M		1/10W
R8181	1-216-295-91	SHORT CHIP	0	0.0		R8886	1-208-834-11	METAL CHIP			1/10W
R8182	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8887	1-216-841-11	METAL CHIP	47K	5%	1/10W
NOTOL	1-210-041-11	MDIAD CITT	111	370	17 1011	10007	1 210 011 11	MEINE OHI	1710	070	1/ 1011
R8183	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8888	1-249-441-11	CARBON	100K	5%	1/4W
R8186	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R8895	1-249-443-11	CARBON	0.47	5%	1/4W
R8188	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R8896	1-249-443-11	CARBON	0.47	5%	1/4W
R8189	1-216-818-11	METAL CHIP	560	5%	1/10W	R8897	1-215-489-00	METAL	680K	1%	1/4W
R8190	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R8898	1-215-493-00	METAL	1M	1%	1/ <b>4</b> W
R8191	1-215-925-11	METAL OVIDE	22K	5%	3W	R8899	1-215-493-00	METAI	1 M	10⁄.	1/4W
						10033	1-213-433-00	METAL	T IAI	170	1/ 411
R8196	1-249-377-11	CARBON	0.47	5%	1/4W		TDANCEO	יטווניט			
R8197	1-216-841-11	METAL CHIP	47K	5%	1/10W		< TRANSFO	KMEK >			
R8203	1-216-295-91	SHORT CHIP	0			W0004	1 107 100 11	MD HICHODIMD	DEDDAG	n /ma	7)
R8209	1-216-295-91	SHORT CHIP	0			T8801	1-437-430-11	TRANSFORMER,		•	,
					. (- 011)	T8802	1-437-430-11	TRANSFORMER,			,
<b>R8</b> 210	1-216-825-11	METAL CHIP	2.2K		1/10W	T8806	1-437-614-11	TRANSFORMER,	HORIZO	NIAL (	)UTPUT
R8211	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R8212	1-216-825-11	METAL CHIP	2.2K		1/10W	* A-130	0-514-A D2	Board, Com	plete		
R8215	1-208-822-11	METAL CHIP	47K	0.5%	1/10W						
R8216	1-208-822-11	METAL CHIP	47K	0.5%	1/10W		3-710-578-01 4-382-854-01	COVER, VOLUME SCREW (M3X8),			
R8217	1-216-833-11	METAL CHIP	10K	5%	1/10W		4-JUL-0J4-UI	JUNEW (MJAO),	1, JN	(†)	
R8456	1-216-845-11	METAL CHIP	100K		1/10W		< CAPACIT	OR >			
R8457	1-216-834-11	METAL CHIP	12K	5%	1/10W						
R8458	1-216-841-11	METAL CHIP	47K	5%	1/10W	C6802	1-130-483-00	MYLAR	0.01UF		5.00% 50V
						C6803	1-165-176-11	CERAMIC CHIP			10.00% 16V
R8459	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	C6804	1-105-170-11		680PF		5.00% 100V
Docco	1 047 007 01	CADDON	I TOT	ro.	1 / 410	1					
R8800	1-247-895-91	CARBON	470K		1/4W	C6805	1-126-964-11		10UF		20.00% 50V
R8804	1-249-408-11	CARBON	180	5%	1/4W	C6806	1-128-551-11	ELECT	22UF		20.00% 63V
R8805	1-249-408-11	CARBON	180	5%	1/4W						
R8806	1-249-411-11	CARBON	330	5%	1/4W	C6807	1-130-495-00		0.1UF		5.00% 50V
R8807	1-249-411-11	CARBON	330	5%	1/4W	C6808	1-126-947-11	ELECT	47UF		20.00% 35V

REF.NO.	PART.NO	DESCRIPTION	١	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C6809	1-162-966-11	CERAMIC CHIP	0.0022UF	10.00% 50V	D6811	8-719-911-19	DIODE 1SS119-25	
C6810	1-162-115-00	CERAMIC	330PF	10.00% 1KV	D6813	8-719-911-19	DIODE 1SS119-25	
C6811	1-162-115-00	CERAMIC	330PF	10.00% 1KV	D6814	8-719-982-21	DIODE MIZJ-30C	
C6812	1-135-946-22	FILM	47000PF	3% 800V	D6815	8-719-911-19	DIODE 1SS119-25	
C6813	1-135-340-22	ELECT	47UF	20.00% 50V	D6816	8-719-110-41	DIODE RD15ESB2	
(001)	1-120-307-11	ELECT	4701	20.00% JUV	10010	0-715-110-41	DIODE RUISIDDE	
C6814	1-126-947-11	ELECT	47UF	20.00% 35V	D6817	8-719-063-73	DIODE D1NL20U-TR	
C6815	1-130-483-00	MYLAR	0.01UF	5.00% 50V	D6820	8-719-921-63	DIODE MTZJ-7.5B	
C6816	1-126-964-11	ELECT	10UF	20.00% 50V	D6821	8-719-110-49	DIODE RD18ESB2	
C6820	1-130-495-00	MYLAR	0.1UF	5.00% 50V	D6822	8-719-063-73	DIODE DINL20U-TR	
C6821	1-126-964-11	ELECT	10UF	20.00% 50V	D6823	8-719-911-19	DIODE 1SS119-25	
C0021	1-120-304-11	ELECT	1001	20.00% J0Y	20020	0 110 011 10	21022 150110 20	
C6822	1-126-966-11	ELECT	33UF	20.00% 50V	D6824	8-719-911-19	DIODE 1SS119-25	
C6823	1-126-933-11	ELECT	100UF	20.00% 16V	D6825	8-719-911-19	DIODE 1SS119-25	
C6824	1-113-610-11	ELECT (BLOCK)	220UF	20% 250V	D6831	8-719-911-19	DIODE 1SS119-25	
C6825	1-130-495-00	MYLAR	0.1UF	5.00% 50V	D6832	8-719-911-19	DIODE 1SS119-25	
C6826	1-126-969-11	ELECT	220UF	20.00% 50V	D8919	8-719-948-45	DIODE ERA22-08	
00020	1 120 000 11	DIDOI	LLOUI	20.00% 001				
C6827	1-137-150-11	FILM	0.01UF	5.00% 100V	D8927	8-719-991-33	DIODE 1SS133T-77	
C6834	1-162-970-11	CERAMIC CHIP	0.01UF	10.00% 25V				
C6835	1-127-715-91	CERAMIC CHIP		10% 16V		< FERRITI	E BEAD >	
C6836	1-136-165-00	FILM	0.1UF	5.00% 50V				
C6837	1-136-103-00	FILM	0.1UF	5.00% 200V	FB6801	1-412-911-11	FERRITE OUH	
00001	1-130-103-00	IIL	0.101	J.00% 2001				
C6840	1-130-495-00	MYLAR	0.1UF	5.00% 50V		< IC >		
C6842	1-130-471-00	MYLAR	0.001UF	5.00% 50V	T.00000	0.550.050.00	TO 1/07000415	
C6843	1-135-945-22	FILM	10000PF	3% 800V	IC6800	8-759-670-30	IC MCZ3001D	
C6848	1-126-963-11	ELECT	4.7UF	20.00% 50V	IC6801	8-759-700-07	IC NJM2903M	
C6849	1-162-962-11	CERAMIC CHIP		10.00% 50V	IC6802	8-759-701-01	IC NJM2904M	
C0043	1-102-302-11	CERAMIC CIII	47011	10.00% 301	IC6803	8-759-462-09	IC TLV431AIDBV	
C6850	1-107-826-11	CERAMIC CHIP	O THE	10.00% 16V	IC6807	8-759-586-17	IC TL1431CZ-AP	
	1-162-970-11	CERAMIC CHIP		10.00% 10V 10.00% 25V				
C6852						< COIL >		
C6853	1-126-933-11	ELECT	100UF	20.00% 16V				
C8929	1-107-635-11	ELECT	4.7UF	20.00% 160V	L6802	1-419-658-41	INDUCTOR 107UH	
C8930	1-129-898-00	FILM	0.0022UF	5.00% 630V	L8901	1-406-674-11	INDUCTOR 3.3MH	
C8932	1-136-205-11	MYLAR	0.022UF	5.00% 630V		FF 11070	mon.	
		CERAMIC	220PF	10.00% 2KV		< TRANSIS	TOK >	
C8938	1-162-131-11							
C8939	1-162-129-00	CERAMIC	150PF	10.00% 2KV	06801	8-729-901-81	TRANSISTOR 2SC2412K-T-146	
C8944	1-137-150-11	FILM	0.01UF	5.00% 100V	Q6802	8-729-901-81	TRANSISTOR 2SC2412K-T-146	-R
C8945	1-126-947-11	ELECT	47UF	20.00% 35V	Q6803	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
_					Q6804	8-729-044-42	TRANSISTOR IRF1644G-LF36	
C8953	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25V	Q6805	8-729-044-42	TRANSISTOR IRFI644G-LF36	
	. COMMECT	י מחי			00007	0 700 100 00	TO ANCIOTOD OCCIODO ICIO	
	< CONNECT	UI\ >			06807	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Chrosso	* 1 010 070 51	DITIC COMME	ron on		06808	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN6800	* 1-816-979-51			10D	06813	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX	
CN6801	* 1-691-772-11	PLUG (MICRO		101	06814	8-729-900-53	TRANSISTOR DTC114EK	
CN6803	1-695-915-11	TAB (CONTACT)			06815	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX	
CN6804	* 1-564-506-11	PLUG, CONNEC	I'OR 3P		0004.0	0.700.000.55	MD HIGTOROP PROCESS	
					06816	8-729-900-53	TRANSISTOR DTC114EK	
	< DIODE >	•			06817	8-729-424-02	TRANSISTOR 2SB709A-QRS-TX	
					Q8909	6-550-012-01	TRANSISTOR STP5NB40 (033Y)	
D6800	8-719-052-90	DIODE DINL40	-TA2		Q8918	1-801-806-11	TRANSISTOR DTC144EKA	
D6801	8-719-110-41	DIODE RD15ES	B2		-			
D6802	8-719-110-41	DIODE RD15ES				< RESISTO	R >	
D6803	8-719-911-19	DIODE 1SS119						
D6806	8-719-109-85	DIODE RD5.1E			JR6814	1-216-864-11	SHORT CHIP 0	
20000	0 ,10 100 00	DIGDE ROU.ILA			JR6895	1-216-864-11	SHORT CHIP 0	
					1 32.0000	2 220 001 11	CITCALL VALLE U	



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R6801	1-216-841-11	METAL CHIP	47K	5%	1/10W	R6875	1-216-863-11	METAL CHIP	3.3M	5%	1/10W
R6802	1-216-849-11	METAL CHIP	220K		1/10W	R6876	1-215-485-00	METAL	470K		1/4W
R6803	1-216-829-11	METAL CHIP	4.7K		1/10W	R6877	1-215-485-00	METAL	470K		1/4W
R6804	1-216-829-11	METAL CHIP	4.7K		1/10W	R6878	1-216-821-11	METAL CHIP	1K	5%	1/10W
R6805	1-215-481-00	METAL CITT	330K		1/4W	R6880	1-219-751-51	METAL CITT	47K	5%	1/2W
KUOUJ	1-213-401-00	METAL	JJUK	1 /0	1/ <del>1</del> W	10000	1-213-131-31	METAL	411	370	1/ 211
R6806	1-215-481-00	METAL	330K	1%	1/4W	R6881	1-219-749-51	METAL	10K	5%	1/2W
R6807	1-215-481-00	METAL	330K	1%	1/4W	R6882	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6808	1-211-981-11	METAL CHIP	33	0.5%	1/10W	R6883	1-211-985-11	METAL CHIP	47	0.5%	1/10W
R6809	1-218-823-11	METAL CHIP	100	0.5%	1/10W	R6884	1-218-874-11	METAL CHIP	13K	0.5%	1/10W
R6810	1-249-417-11	CARBON	1K	5%	1/4W	R6885	1-216-841-11	METAL CHIP	47K	5%	1/10W
R6811	1-202-933-61	FUSIBLE	0.1	10%	1/2W	R6887	1-249-411-11	CARBON	330	5%	1/4W
R6812	1-218-869-11	METAL CHIP			1/10W	R6894	1-216-840-11	METAL CHIP	39K	5%	1/10W
R6813	1-249-393-11	CARBON	0. ZK 10	5%	1/4W	R6896	1-216-839-11	METAL CHIP	33K	5%	1/10W
					1/4W 1/4W	F		METAL CHIP			
R6814	1-249-393-11	CARBON	10	5%		R6897	1-216-853-11		470K		1/10W
R6815	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8949	1-216-486-21	METAL OXIDE	8.2K	3%	3W
R6816	1-216-833-11	METAL CHIP	10K	5%	1/10W	R8950	1-215-923-00	METAL OXIDE	10K	5%	3W
R6817	1-243-979-21	METAL OXIDE	0.1	5%	2W	R8951	1-216-486-21	METAL OXIDE	8.2K	5%	3W
R6818	1-249-389-11	CARBON	4.7	5%	1/4W	R8952	1-215-923-00	METAL OXIDE	10K	5%	3W
R6820	1-216-837-11	METAL CHIP	22K	5%	1/10W	R8954	1-260-123-11	CARBON	100K		1/2W
R6821	1-216-837-11	METAL CHIP	22K	5%	1/10W	R8955	1-260-123-11	CARBON	100K		1/2W
R6823	1-247-843-11	CARBON	3.3K	E0/	1/4W	R8956	1-260-123-11	CARBON	100K	E0/	1/2W
R6825	1-247-043-11	METAL CHIP			1/4W 1/10W	R8957	1-200-123-11	METAL CHIP	4.7K		1/2W 1/10W
								CARBON			
R6827	1-218-893-11	METAL CHIP	82K		1/10W	R8988	1-260-123-11		100K		1/2W
R6828	1-218-895-11	METAL CHIP			1/10W	R8989	1-249-429-11	CARBON	10K	5%	1/4W
R6829	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8990	1-216-840-11	METAL CHIP	39K	5%	1/10W
R6832	1-216-841-11	METAL CHIP	47K	5%	1/10W	R8991	1-216-834-11	METAL CHIP	12K	5%	1/10W
R6833	1-216-833-11	METAL CHIP	10K	5%	1/10W						
R6834	1-216-821-11	METAL CHIP	1 K	5%	1/10W		< RESISTO	R VARIABLE >			
R6835	1-215-433-00	METAL	3.3K	1%	1/4W						
R6836	1-215-447-00	METAL	12K	1%	1/ <b>4</b> W	RV6800	1-241-763-11	RES, ADJ, CER	MET 4.	7K	
R6837	1-215-447-00	METAI	12K	1%	1/ <b>4</b> W		< SPARK G	ΔP 、			
R6838	1-215-447-00	METAL	12K	1%	1/4W		< 517LU U	т -			
R6839	1-215-447-00	METAL	12K	1%	1/4W	SG6800	1-517-499-21	CAD SDADK			
R6840	1-535-303-00	LEAD, JUMPER			1/ 40	300000	1-311-433-21	UAL, SIAIM			
R6841	1-218-847-11	METAL CHIP	1K		1/10W		< TRANSFO	RMER >			
					. (- 011						
R6843	1-218-845-11	METAL CHIP	820		1/10W		00000000000000000000000000000000000000				(NX-6020//Z2B4)
R6844	1-218-875-11	METAL CHIP	15K		1/10W	T8901	1-437-690-11	TRANSFORMER,	FERRIT.	E (DFT)	)
R6845	1-218-855-11	METAL CHIP			1/10W						
R6846	1-218-868-11	METAL CHIP			1/10W			oard, Comple			
R6847	1-218-847-11	METAL CHIP	1K	0.5%	1/10W			oard, Comple oard, Comple			Q70E/32FQ70K) Q70U)
R6848	1-216-817-11	METAL CHIP	470	5%	1/10W				(,,,		
R6852	1-216-845-11	METAL CHIP	100K	5%	1/10W	A Boar	rd, Common F	Parts			4
R6865	1-216-835-11	METAL CHIP	15K	5%	1/10W			-			
R6867	1-216-809-11	METAL CHIP	100	5%	1/10W		4-382-854-01	SCREW (M3X8),	P, SW	(+)	
R6868	1-216-797-11	METAL CHIP	10	5%	1/10W		CARACTER	on			
Dagge	1 010 000 11	MANUT ULLE	107	<b>ב</b> ני,	1 /1 010		< CAPACIT	UK >			
R6869	1-216-833-11	METAL CHIP	10K	5%	1/10W	C1001	1-126-933-11	ELECT	100UF		20.00% 16V
R6870	1-216-849-11	METAL CHIP	220K	5%	1/10W	C1001	1-126-964-11		1000F		20.00% 10V 20.00% 50V
R6872	1-249-377-11	CARBON	0.47	5%	1/4W	C1002	1-163-021-91	CERAMIC CHIP			10.00% 50V
R6873	1-249-431-11	CARBON	15K	5%	1/4W	C1004 C1006	1-105-021-91		0.010F 100UF		20.00% 16V
R6874	1-218-903-11	METAL CHIP	220K	0.5%	1/10W	01000	1 170-000-11	TIVIT	10001,	4	20.00/0 10¥



REF.NO.	PART,NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C1008	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2054	1-126-947-11	ELECT 47UF	20.00% 35V
C1009	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V	C2055	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1010	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V	C2057	1-126-964-11	ELECT 10UF	20.00% 50V
C1014	1-126-933-11	ELECT 100UF	20.00% 16V	C2058	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1014	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2059	1-126-964-11	ELECT 10UF	20.00% 50V
CIVIS	1-103-021-91	CERAMIC CHIF U.UIUF	10.00% 507	62039	1-120-504-11	ELECT FOUR	20.00% 307
C1018	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V	C2060	1-126-947-11	ELECT 47UF	20.00% 35V
C1020	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2061	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V
C1021	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2062	1-164-346-11	CERAMIC CHIP 1UF	16V
C1022	1-216-295-91	SHORT CHIP 0		C2063	1-164-346-11	CERAMIC CHIP 1UF	16V
C2000	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2064	1-126-964-11	ELECT 10UF	20.00% 50V
C2001	1-162-968-11	CERAMIC CHIP 0.0047UF	10.00% 50V	C2065	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2006	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2066	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V
C2007	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2069	1-127-715-91	CERAMIC CHIP 0.22UF	10% 16V
C2008	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C2073	1-126-960-11	ELECT 1UF	20.00% 50V
C2009	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2074	1-126-960-11	ELECT 1UF	20.00% 50V
C2010	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C2075	1-126-960-11	ELECT 1UF	20.00% 50V
C2010					1-120-960-11		
C2011	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2077			20.00% 50V
C2012	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2078	1-126-963-11	ELECT 4.7UF	20.00% 50V
C2013	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2079	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C2014	1-164-346-11	CERAMIC CHIP 1UF	16V	C2080	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C2015	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2081	1-162-928-11	CERAMIC CHIP 120PF	5.00% 50V
C2016	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2082	1-216-864-11	SHORT CHIP 0	
C2018	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2083	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2019	1-164-346-11	CERAMIC CHIP 1UF	16V	C2084	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C2021	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2085	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
02021	1 102 002 11		1010010 001	02000	1 100 021 01		10.00% 00.
C2022	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2086	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2023	1-162-966-11	CERAMIC CHIP 0.0022UF	10.00% 50V	C2087	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C2024	1-164-346-11	CERAMIC CHIP 1UF	16V	C2088	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V
C2026	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	C2089	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V
C2027	1-126-947-11	ELECT 47UF	20.00% 35V	C2090	1-126-947-11	ELECT 47UF	20.00% 35V
C2028	1-126-947-11	ELECT 47UF	20.00% 35V	C2091	1-126-947-11	ELECT 47UF	20.00% 35V
		CERAMIC CHIP 1UF	20.00% 35V 16V				
C2029	1-164-346-11		10.00% 50V	C2092	1-126-947-11	ELECT 47UF	20.00% 35V
C2031	1-162-962-11	CERAMIC CHIP 470PF		C2093	1-126-947-11	ELECT 47UF	20.00% 35V
C2034	1-164-346-11	CERAMIC CHIP 1UF	16V	C2094	1-126-947-11	ELECT 47UF	20.00% 35V
C2035	1-164-346-11	CERAMIC CHIP 1UF	16V	C2095	1-126-947-11	ELECT 47UF	20.00% 35V
C2038	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C2096	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V
C2039	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V	C2500	1-126-952-11	ELECT 1000UF	20.00% 35V
C2040	1-162-964-11	CERAMIC CHIP 0.001UF	10.00% 50V	C2502	1-104-666-11	ELECT 220UF	20.00% 25V
C2041	1-162-906-11	CERAMIC CHIP 1.5PF	0.25PF 50V	C2504	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C2042	1-216-864-11	SHORT CHIP 0		C2505	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V
C2042	1 162 062 11	CEDANTO CUTD AZODE	10.00% 50V	C2506	1 126 072 11	ELECT 1000IE	20 000 FOV
C2043	1-162-962-11	CERAMIC CHIP 470PF		C2506	1-126-972-11	ELECT 1000UF	20.00% 50V
C2044	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C2507	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C2046	1-162-923-11	CERAMIC CHIP 47PF	5.00% 50V	C2508	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C2047	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V	C2509	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C2048	1-126-947-11	ELECT 47UF	20.00% 35V	C2510	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2049	1-162-925-11	CERAMIC CHIP 68PF	5.00% 50V	C2511	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C2050	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V	C2512	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C2051	1-126-964-11	ELECT 10UF	20.00% 50V	C2513	1-126-952-11	ELECT 1000UF	20.00% 35V
C2052	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C2515	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V
C2053	1-164-227-11	CERAMIC CHIP 0.022UF	10.00% 25V	C2516	1-126-953-11	ELECT 2200UF	20.00% 35V
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REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C2517	1-126-960-11	ELECT 1UF	20.00% 50V	C5106	1-126-933-11	ELECT 100UF	20.00% 16V
C2518	1-126-960-11	ELECT 1UF	20.00% 50V	C5109	1-126-964-11	ELECT 10UF	20.00% 50V
C2519	1-126-959-11	ELECT 0.47UF	20.00% 50V	C5110	1-126-947-11	ELECT 47UF	20.00% 35V
C2521	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5111	1-126-964-11	ELECT 10UF	20.00% 50V
C2523	1-115-339-11	CERAMIC CHIP 0.1UF	10.00% 50V	C5112	1-126-964-11	ELECT 10UF	20.00% 50V
C3200	1-126-964-11	ELECT 10UF	20.00% 50V	C5114	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3202	1-104-666-11	ELECT 220UF	20.00% 25V	C5115	1-126-964-11	ELECT 10UF	20.00% 50V
C3203	1-126-964-11	ELECT 10UF	20.00% 50V	C5117	1-126-964-11	ELECT 10UF	20.00% 50V
C3206	1-126-964-11	ELECT 10UF	20.00% 50V	C5118	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3208	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V	C5119	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
C3209	1-163-235-11	CERAMIC CHIP 22PF	5.00% 50V	C5120	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16V
C3210	1-126-964-11	ELECT 10UF	20.00% 50V	C5121	1-165-176-11	CERAMIC CHIP 0.047U	
C3211	1-126-964-11	ELECT 10UF	20.00% 50V	C5122	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3213	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5124	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3214	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5125	1-126-964-11	ELECT 10UF	20.00% 50V
C3215	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5300	1-126-933-11	ELECT 100UF	20.00% 16V
C3216	1-164-222-91	CERAMIC CHIP 0.22UF	25V 25V	C5300	1-126-947-11	ELECT 47UF	20.00% 35V
C3217	1-164-222-91	CERANIC CHIP 0.22UF	25V	C5301	1-164-222-91	CERAMIC CHIP 0.22UF	
C3218	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5302	1-136-153-00	FILM 0.01UF	
C3219	1-164-222-91	CERAMIC CHIP 0.22UF	25V 25V	C5303	1-164-182-11	CERAMIC CHIP 0.0033	
63213	1-104-222-31	CEMMIC CIII U.22UF	ZJV	03304	1-104-102-11	CERAMIC CIII 0.0033	or 10.00% 50V
C3220	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5305	1-165-176-11	CERAMIC CHIP 0.047U	F 10.00% 16V
C3221	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5306	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3222	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5307	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3223	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5309	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C3224	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5310	1-136-165-00	FILM 0.1UF	5.00% 50V
C3225	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5311	1-164-156-11	CERAMIC CHIP 0.1UF	25V
C3226	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5312	1-165-176-11	CERAMIC CHIP 0.047U	
C3227	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5313	1-107-714-11	ELECT 10UF	20.00% 50V
C3228	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5314	1-162-970-11	CERAMIC CHIP 0.01UF	
C3229	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5316	1-164-230-11	CERAMIC CHIP 220PF	5.00% 50V
C3230	1_164_489_11	CERAMIC CHIP 0.22UF	10.00% 16V	C5318	1_164_156_11	CERAMIC CHIP 0.1UF	25V
C3231	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5319	1-136-347-11	FILM 0.0047	
C3232	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5320	1-129-716-00	FILM 0.015U	
C3233	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5321	1-136-347-11	FILM 0.0047	
C3234	1-164-489-11	CERAMIC CHIP 0.22UF	10.00% 16V	C5322	1-164-156-11	CERAMIC CHIP 0.1UF	25V
Coor	1 105 170 11	OPPANIC CUID O 047UP	10 000/ 10U	Cross	1 100 150 00	PTIV 0 000F	D
C3235	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C5323	1-136-159-00	FILM 0.033U	
C3236	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C5400	1-126-964-11	ELECT 10UF	20.00% 50V
C3237	1-165-176-11	CERAMIC CHIP 0.047UF CERAMIC CHIP 0.047UF	10.00% 16V	C5401	1-107-714-11	ELECT 10UF	20.00% 50V
C3238	1-165-176-11		10.00% 16V	C5403	1-128-527-11 1-102-228-00	ELECT 330UF	20.00% 25V
C3239	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C5404	1-102-228-00	CERAMIC 470PF	10.00% 500V
C3240	1-165-176-11	CERAMIC CHIP 0.047UF	10.00% 16V	C5405	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3241	1-126-933-11	ELECT 100UF	20.00% 16V	C5406	1-129-702-00	MYLAR 0.001U	
C3242	1-162-970-11	CERAMIC CHIP 0.01UF	10.00% 25V	C5407	1-128-527-11	ELECT 330UF	20.00% 25V
C3243	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5409	1-126-968-11	ELECT 100UF	20.00% 50V
C3245	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C5410	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V
C3250	1-163-021-91	CERAMIC CHIP 0.01UF	10.00% 50V	C5411	1-137-401-11	MYLAR 0.22UF	5.00% 100V
C3300	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V	C5412	1-106-220-00	MYLAR 0.1UF	10.00% 100V
C3309	1-126-964-11	ELECT 10UF	20.00% 50V	C5413	1-130-785-11	MYLAR 0.47UF	5.00% 100V
C3310	1-164-222-91	CERAMIC CHIP 0.22UF	25V	C5414	1-126-964-11	ELECT 10UF	20.00% 50V
C5103	1-126-960-11	ELECT 1UF	20.00% 50V	C5801	1-126-963-11	ELECT 4.7UF	20.00% 50V



REF.NO.	PART.NO	DESCRIPTION		REM	ARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
C5850	1-126-963-11	ELECT	4.7UF	20.00%	50V	C7050	1-162-927-11	CERAMIC CHIP 100PF	5.00% 50V
C5851	1-107-826-11	CERAMIC CHIP (		10.00%		C7051	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5854	1-107-826-11	CERAMIC CHIP (		10.00%		C7052	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5858	1-107-826-11	CERAMIC CHIP (		10.00%		C7053	1-164-004-11	CERAMIC CHIP 0.10F	10.00% 25V
					4	C7054			
C5859	1-126-960-11	ELECT	1UF	20.00%	307	C/U34	1-126-963-11	ELECT 4.7UF	20.00% 50V
C5860	1-165-176-11	CERAMIC CHIP (	0.047UF	10.00%	16V	C7055	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5868	1-164-004-11	CERAMIC CHIP (		10.00%		C7056	1-126-933-11	ELECT 100UF	20.00% 16V
C5873	1-163-251-11	CERAMIC CHIP 1		5.00%		C7057	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5888	1-164-156-11	CERAMIC CHIP (		3.00%	25V	C7058	1-126-933-11	ELECT 100UF	20.00% 16V
C5889	1-126-964-11		10UF	20.00%		C7059	1-126-933-11	ELECT 1000F	20.00% 16V 20.00% 16V
C3003	1-120-304-11	ELECT	1001	20.00%	301	01033	1-720-955-11	ELECT 1000F	20.00% 10%
C5890	1-164-227-11	CERAMIC CHIP (	0.022UF	10.00%	25V	C7060	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5891	1-137-581-11	FILM (	).1UF	5.00%	100V	C7061	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5892	1-107-826-11	CERAMIC CHIP (		10.00%		C7062	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5893	1-126-947-11		47UF	20.00%		C7063	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C5894	1-126-947-11		17UF	20.00%		C7064	1-126-947-11	ELECT 47UF	20.00% 35V
00001	1 120 511 11	LLDOI	1101	20.00%		0/001	1 120 017 11	LELOI II (I	20.00% 331
C5895	1-164-156-11	CERAMIC CHIP (	).1 <b>UF</b>		25V	C7065	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5896	1-165-176-11	CERAMIC CHIP (	).047UF	10.00%	16V	C7067	1-126-947-11	ELECT 47UF	20.00% 35V
C5897	1-162-970-11	CERAMIC CHIP (	).01UF	10.00%	25V	C7068	1-164-222-91	CERAMIC CHIP 0.22UF	25V
C5898	1-162-964-11	CERAMIC CHIP (	).001UF	10.00%	50V	C7069	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C5899	1-107-823-11	CERAMIC CHIP (	).47UF	10.00%	16V	C7070	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C6200	1-126-933-11		100U <b>F</b>	20.00%	1	C7071	1-162-919-11	CERAMIC CHIP 22PF	5.00% 50V
C6201	1-126-935-11		170UF	20.00%	1				
C6202	1-126-933-11		100UF	20.00%	16V		< CONNECT	OR >	
C6203	1-126-935-11	ELECT 4	170UF	20.00%	16V				
C6204	1-126-933-11	ELECT 1	100UF	20.00%	16V	CN0101	* 1-823-330-11	CONNECTOR, BOARD TO B	OARD 40P
						CN0102	* 1-564-520-11	PLUG, CONNECTOR 5P	
C6205	1-126-935-11	ELECT 4	170UF	20.00%	16V	CN0103	* 1-817-035-61	PLUG, CONNECTOR 4P	
C6206	1-126-933-11		100UF	20.00%	i i	CN1000	1-417-319-11	CONNECTOR (SQUARE TYPE	) 21P
C6207	1-126-933-11		OOUF	20.00%		CN1001	* 1-766-296-21	CONNECTOR, DUAL SCART	,
C6208	1-126-933-11		OOUF	20.00%	1		- 100	2011.201011, 2012.202.202.20	
C6209	1-126-933-11		.00UF	20.00%		CN2000	* 1-564-512-11	PLUG, CONNECTOR 9P	
00200	1 120 000 11			20.00%		CN2500	* 1-816-974-51	PLUG, CONNECTOR 3P	
C6210	1-126-935-11	ELECT 4	170UF	20.00%	16V	CN2501	* 1-564-507-11	PLUG, CONNECTOR 4P	
C6211	1-126-947-11		17UF	20.00%		CN2502	* 1-816-977-51	PLUG, CONNECTOR 6P	
C6212	1-126-933-11		.00UF	20.00%	1	CN5002	* 1-816-984-71	PLUG, CONNECTOR 7P	
C6212	1-126-933-11		.00UF	20.00%	I	CNJUUZ	1-010-304-71	TEUG, COMMECTOR /I	
C6214	1-126-933-11		.00UF	20.00%	I	CNE100	* 1-816-974-51	PLUG, CONNECTOR 3P	
C0Z14	1-120-335-11	ELECT 1	10001	20.00%	101	CN5100			TVDE\ 10D
C7002	1 100 047 11	ELECT 4	17III:	20. 000/	257	CN5801	1-764-333-11	PIN, CONNECTOR (PCB) (V 1	
C7002	1-126-947-11		17UF	20.00%	1	CN5802	* 1-691-772-11	PLUG (MICRO CONNECTOR)	IUr
C7004	1-164-222-91	CERAMIC CHIP O			25V	CN6200	* 1-564-507-11	PLUG, CONNECTOR 4P	
C7008	1-162-919-11	CERAMIC CHIP 2		5.00%	,	CN6202	* 1-564-516-11	PLUG, CONNECTOR 13P	
C7016	1-107-823-11	CERAMIC CHIP O		10.00%					
C7018	1-164-004-11	CERAMIC CHIP O	).1UF	10.00%	257	CN6203	1-695-915-11	TAB (CONTACT)	
		ann				CN7000	* 1-817-042-81	PLUG, CONNECTOR 5P	
C7019	1-164-004-11	CERAMIC CHIP O		10.00%		CN7001	* 1-564-512-11	PLUG, CONNECTOR 9P	
C7020	1-164-004-11	CERAMIC CHIP O		10.00%		CN8001	1-766-281-11	PIN, CONNECTOR (PC BOAI	RD) 8P
C7021	1-164-004-11	CERAMIC CHIP O		10.00%					
C7022	1-164-004-11	CERAMIC CHIP O		10.00%	25V		< DIODE >		
C7023	1-164-004-11	CERAMIC CHIP O	.1UF	10.00%	25V				
05		000 W 20 0	417	40 000	051	D0101	8-719-921-88	DIODE MIZJ-13B	
C7030	1-164-004-11	CERAMIC CHIP 0		10.00%		D0104	8-719-109-89	DIODE RD5.6ESB2	
C7031	1-164-004-11	CERAMIC CHIP O		10.00%	1	D0110	8-719-109-89	DIODE RD5.6ESB2	
C7032	1-164-004-11	CERAMIC CHIP 0		10.00%	I	D0111	8-719-929-15	DIODE HZS9.1NB2	
C7038	1-107-823-11	CERAMIC CHIP 0		10.00%	I .	D0112	8-719-921-88	DIODE MTZJ-13B	
C7039	1-162-966-11	CERAMIC CHIP 0	.0022UF	10.00%	50V				



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
D0113	8-719-921-88	DIODE MTZJ-13B		D5813	8-719-081-97	DIODE MMDL914T1	
D1006	8-719-109-89	DIODE RD5.6ESB2		D5814	1-216-295-91	SHORT CHIP 0	
D2014	8-719-929-15	DIODE HZS9.1NB2		D6200	8-719-063-70	DIODE D1NL20U	
D2015	8-719-929-15	DIODE HZS9.1NB2		D7004	8-719-929-15	DIODE HZS9.1NB2	
D2016	8-719-050-38	DIODE M1MA152WK-T1		D7006	1-216-809-11	METAL CHIP 100 5%	5 1/10W
D2018	8-719-929-15	DIODE HZS9.1NB2			< FERRITE	E BEAD >	
D2019	8-719-929-15	DIODE HZS9.1NB2					
D2500	8-719-050-38	DIODE M1MA152WK-T1		FB3001	1-414-760-21	FERRITE OUH	
D2502	8-719-109-89	DIODE RD5.6ESB2					
D2503	8-719-050-38	DIODE M1MA152WK-T1			< FILTER	>	
D3001	8-719-929-15	DIODE HZS9.1NB2		FL2000	1-239-803-11	FILTER, EMI	
D3003	8-719-929-15	DIODE HZS9.1NB2					
D3005	8-719-929-15	DIODE HZS9.1NB2			< IC >		
D3007	8-719-109-89	DIODE RD5.6ESB2					
D3008	8-719-109-89	DIODE RD5.6ESB2		IC2000	6-701-031-11	IC MSP3411G-QA-B11	
				IC2001	8-759-100-96	IC UPC4558G2	
D3009	8-719-929-15	DIODE HZS9.1NB2		IC2500	8-759-831-56	IC TDA7497	
D3011	8-719-929-15	DIODE HZS9.1NB2		IC3200	6-702-458-01	IC VSP9407B-B11-GEG	
D3013	8-719-929-15	DIODE HZS9.1NB2		IC5102	8-759-325-48	IC CAOOO5AD	
D3015	8-719-929-15	DIODE HZS9.1NB2					
D3017	8-719-109-89	DIODE RD5.6ESB2		IC5103	8-752-072-94	IC CXA1875AM-T4	
				IC5104	8-759-803-42	IC LA6500-FA	
D3018	8-719-109-89	DIODE RD5.6ESB2		IC5300	8-759-008-70	IC LM358N	
D3019	8-719-929-15	DIODE HZS9.1NB2		IC5301	8-759-659-67	IC LA6393DLL	
D3021	8-719-929-15	DIODE HZS9.1NB2		IC5302	8-759-659-67	IC LA6393DLL	
D3023	8-719-109-89	DIODE RD5.6ESB2					
D3024	8-719-929-15	DIODE HZS9.1NB2		IC5400	8-759-696-71	IC STV9379A	
				IC6200	8-759-648-19	IC L7809CV/LSY	
D3026	8-719-929-15	DIODE HZS9.1NB2		IC6201	8-759-648-20	IC L7805CV/LSY	
D3028	8-719-929-15	DIODE HZS9.1NB2		IC6202	8-759-445-59	IC BA033T	
D3201	8-719-109-89	DIODE RD5.6ESB2		IC6203	8-759-098-24	IC PQ30RV11	
D5101	8-719-050-38	DIODE M1MA152WK-T1					
D5103	8-719-110-86	DIODE RD39ESB		IC6204	8-759-591-02	IC L78L33ABZ-AP	
				IC6205	8-759-394-35	IC BA12T	
D5104	8-719-109-89	DIODE RD5.6ESB2		IC6206	8-759-991-41	IC LM78L05ACZ	
D5300	8-719-081-97	DIODE MMDL914T1		IC7002	8-752-090-88	IC CXA2100AQ-TL	
D5303	8-719-081-97	DIODE MMDL914T1					
D5304	8-719-081-97	DIODE MMDL914T1			< SOCKET :	>	
D5305	8-719-991-33	DIODE 1SS133T-77		J2000	1-784-632-11	JACK, PIN 2P	
D5306	8-719-302-43	DIODE EL1Z		J2000	1 101 UJL-11	JIMIN, TIM LI	
D5307	8-719-987-87	DIODE ERA85-009			< COIL >		
D5309	8-719-081-97	DIODE MMDL914T1			1 OOIL >		
D5310	8-719-081-97	DIODE MMDL914T1		L1000	1-412-987-31	INDUCTOR 4.7UH	
D5400	8-719-982-03	DIODE MIZJ-3.6A		L1001	1-412-987-31	INDUCTOR 4.70H	
D3400	0 710 302 03	DIODE MILJ 5.01		L1001	1-414-934-21	INDUCTOR 10UH	
D5401	8-719-050-38	DIODE M1MA152WK-T1		L1002	1-414-934-21	INDUCTOR 100H	
D5404	8-719-110-41	DIODE RD15ESB2		L1005	1-414-934-21	INDUCTOR 100H	
D5404 D5405	8-719-908-03	DIODE GPO8D		11000	1 717-334-41	THEOUTOR TOUR	
D5405 D5406	8-719-906-03	DIODE MMDL914T1		L2000	1-414-934-21	INDUCTOR 10UH	
D5400 D5407	8-719-081-97	DIODE MMDL914T1 DIODE MMDL914T1		L2000 L2001		INDUCTOR 100H	
DJ401	0-119-001-91	DIODE WINDLESTATI		i	1-414-934-21		
DEONA	0 710 100 00	DIVIDE DUE CECDO		L2007	1-535-303-00	LEAD, JUMPER (5.0MM)	
D5804	8-719-109-89	DIODE RD5.6ESB2		L2008	1-216-295-91	SHORT CHIP 0	
D5807	8-719-929-15	DIODE HZS9.1NB2		L2009	1-216-295-91	SHORT CHIP 0	
D5809	8-719-050-38	DIODE M1MA152WK-T1		12010	1 414 000 01	TAIDHOTOD 4111	
D5811	8-719-081-97	DIODE MMDL914T1		L2010	1-414-928-21	INDUCTOR 1UH	
D5812	8-719-081-97	DIODE MMDL914T1		L2012	1-414-934-21	INDUCTOR 10UH	



Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK
.2014	1-408-602-31	INDUCTOR	8.2UH	Q2503	8-729-010-29	TRANSISTOR MSD601-RST1	
2500	1-535-303-00	LEAD, JUMPER	(5.0MM)	Q2504	8-729-010-05	TRANSISTOR MSB709-RT1	
2501	1-535-303-00	LEAD, JUMPER	(5.0MM)	<b>Q3200</b>	8-729-010-29	TRANSISTOR MSD601-RST1	
3000	1-216-295-91	SHORT CHIP	0	Q3201	8-729-010-29	TRANSISTOR MSD601-RST1	
3004	1-216-295-91	SHORT CHIP	0	Q3202	8-729-010-05	TRANSISTOR MSB709-RT1	
3005	1-216-295-91	SHORT CHIP	0	Q3204	8-729-010-05	TRANSISTOR MSB709-RT1	
3006	1-216-295-91	SHORT CHIP	0	Q3300	8-729-010-05	TRANSISTOR MSB709-RT1	
3007	1-216-295-91	SHORT CHIP	0	Q3301	8-729-010-05	TRANSISTOR MSB709-RT1	
3008	1-216-295-91	SHORT CHIP	0	Q3302	8-729-010-05	TRANSISTOR MSB709-RT1	
3009	1-216-295-91	SHORT CHIP	0	Q3500	8-729-028-28	TRANSISTOR 2SK2036 (TE85L)	1
3010	1-216-295-91	SHORT CHIP	0	Q3501	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	) 
3011	1-216-295-91	SHORT CHIP	0	Q5100	8-729-010-05	TRANSISTOR MSB709-RT1	•
3012	1-216-295-91	SHORT CHIP	0	Q5101	8-729-010-29	TRANSISTOR MSD601-RST1	
3200	1-412-006-31	INDUCTOR	10UH	Q5300	8-729-010-29	TRANSISTOR MSD601-RST1	
3202	1-412-006-31	INDUCTOR	10UH	Q5300	8-729-053-33	TRANSISTOR IRF614-037	
3203	1-412-006-31	INDUCTOR	10UH	Q5302	8-729-140-97	TRANSISTOR 2SB734-34	
			10UH	Q5302 Q5303	8-729-010-29	TRANSISTOR MSD601-RST1	
3206	1-412-006-31	INDUCTOR					
3208	1-412-006-31	INDUCTOR	10UH	Q5304 05305	8-729-010-29	TRANSISTOR MSD601-RST1	
3300	1-412-006-31	INDUCTOR	10UH	Q5305	8-729-119-78	TRANSISTOR 2SC2785-HFE	
5300	1-406-989-21	INDUCTOR	10MH	Q5306	8-729-140-97	TRANSISTOR 2SB734-34	
5301	1-406-989-21	INDUCTOR	10MH	Q5307	8-729-010-05	TRANSISTOR MSB709-RT1	
<b>54</b> 00	1-412-524-11	INDUCTOR	8.2UH	Q5400	8-729-010-29	TRANSISTOR MSD601-RST1	
5896	1-216-864-11	SHORT CHIP	0	Q5401	8-729-421-19	TRANSISTOR UN2213	
5897	1-216-864-11	SHORT CHIP	0	<b>Q5402</b>	8-729-010-05	TRANSISTOR MSB709-RT1	
5898	1-414-934-21	INDUCTOR	10UH	Q5403	8-729-421-19	TRANSISTOR UN2213	
5899	1-414-934-21	INDUCTOR	10UH	Q5404	8-729-926-76	TRANSISTOR 1RF620	
7001	1-414-934-21	INDUCTOR	10UH	05813	8-729-421-19	TRANSISTOR UN2213	
7009	1-414-934-21	INDUCTOR	10UH	05814	8-729-010-05	TRANSISTOR MSB709-RT1	
<b>7</b> 010	1-414-934-21	INDUCTOR	10UH	Q5815	8-729-010-29	TRANSISTOR MSD601-RST1	
7011	1-414-934-21	INDUCTOR	10UH	Q5816	8-729-010-05	TRANSISTOR MSB709-RT1	
7012	1-414-934-21	INDUCTOR	10UH	Q6201	8-729-140-97	TRANSISTOR 2SB734-34	
				Q7003	8-729-010-29	TRANSISTOR MSD601-RST1	
	< PROTECT	OR MODULE >		Q7009	8-729-010-05	TRANSISTOR MSB709-RT1	
				Q7011	8-729-010-05	TRANSISTOR MSB709-RT1	
S2501 £	1-533-597-31	IC LINK	5A	Q7012	8-729-010-05	TRANSISTOR MSB709-RT1	
	< TRANSIS	TOR >		Q7013	8-729-010-29	TRANSISTOR MSD601-RST1	
				07014	8-729-010-05	TRANSISTOR MSB709-RT1	
1000	8-729-010-05	TRANSISTOR MSE	3709-RT1	07015	8-729-010-05	TRANSISTOR MSB709-RT1	
1001	8-729-010-29	TRANSISTOR MSI		07016	8-729-010-29	TRANSISTOR MSD601-RST1	
1004	8-729-010-05	TRANSISTOR MSE		07017	8-729-010-05	TRANSISTOR MSB709-RT1	
1 005	8-729-421-19	TRANSISTOR UNZ					
L 006	8-729-010-05	TRANSISTOR MSF		07018	8-729-010-05	TRANSISTOR MSB709-RT1	
				Q7019	8-729-010-29	TRANSISTOR MSD601-RST1	
2000	8-729-010-29	TRANSISTOR MSI					
2001	8-729-010-29	TRANSISTOR MSI			< RESISTO	R >	
2002	8-729-010-29	TRANSISTOR MSI					
2003	8-729-010-29	TRANSISTOR MSI		JR121	1-216-864-11	SHORT CHIP 0	
2004	8-729-010-29	TRANSISTOR MSD	0601-RST1	JR123	1-216-864-11	SHORT CHIP 0	
<b>30</b> 07	0 790 010 90	TDANCIONO DO	עבמו דארדו	JR2000	1-216-295-91	SHORT CHIP 0	
2005 2501	8-729-010-29 8-729-010-29	TRANSISTOR MSD TRANSISTOR MSD		R0101	1-216-833-11	METAL CHIP 10K 5%	1/10W
2502	8-729-010-29	TRANSISTOR MSI		R0101	1-216-827-11	METAL CHIP 3.3K 5%	1/10W
L JUL	0-123-010-23	TOW NOTOTOWNY	0001_IM11	MUTUZ	1-710-071-11	MEIAL CHII 3.3N 370	1/ 10//



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R0103	1-216-073-91	RES-CHIP	10K	5%	1/10W	R2056	1-216-037-00	RES-CHIP	330	5%	1/10W
R0104	1-216-827-11	METAL CHIP	3.3K	5%	1/10W	R2057	1-216-025-11	RES-CHIP	100	5%	1/10W 1/10W
R0104 R0105	1-216-025-11	RES-CHIP	100	5%	1/10W						
		RES-CHIP		5%		R2058	1-216-025-11	RES-CHIP	100	5%	1/10W
R0107	1-216-025-11		100		1/10W	R2059	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1000	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2060	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1001	1-216-001-00	RES-CHIP	10	5%	1/10W	R2061	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1002	1-216-821-11	METAL CHIP	1K	5%	1/10W	R2062	1-216-829-11	METAL CHIP	4.7K		1/10W
R1003	1-216-809-11	METAL CHIP	100	5%	1/10W	R2063	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1004	1-216-809-11	METAL CHIP	100	5%	1/10W	R2064	1-249-425-11	CARBON	4.7K	5%	1/4W
R1005	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2065	1-216-837-11	METAL CHIP	22K	5%	1/10W
14000	1 210 010 11	100 0111		070	17 10 11	NZUUJ	1-210-031-11	METAL CITT	ZZIX	J/0	1/10W
R1006	1-216-051-00	RES-CHIP	1.2K	5%	1/10W	R2066	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1007	1-412-987-31	INDUCTOR	4.7UH			R2067	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1008	1-216-295-91	SHORT CHIP	0			R2068	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R1009	1-216-295-91	SHORT CHIP	0			R2069	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1010	1-216-295-91	SHORT CHIP	0			R2070	1-216-833-11	METAL CHIP	10K	5%	1/10W
Dene		OULDING OUT D									
R1014	1-216-295-91	SHORT CHIP	0			R2071	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1017	1-216-822-11	METAL CHIP	1.2K	5%	1/10W	R2072	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R1019	1-216-295-91	SHORT CHIP	0			R2073	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1021	1-216-833-11	METAL CHIP	10K	5%	1/10W	R2074	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1022	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2075	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1023	1-216-849-11	METAL CHIP	220K	5%	1/10W	R2076	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1024	1-216-839-11	METAL CHIP	33K	5%	1/10W	R2077	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1025	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2078	1-216-025-11	RES-CHIP	100	5%	1/10W
R1026	1-216-817-11	METAL CHIP	470	5%	1/10W	R2079	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R2009	1-216-817-11	METAL CHIP	470	5%	1/10W	R2080	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R2010	1-216-817-11	METAL CHIP	470	5%	1/10W	D2001	1 216 022 11	METAL CHIP	107	E0/	1 /1 OW
R2010 R2011		RES-CHIP			1/10W	R2081	1-216-833-11		10K	5%	1/10W
	1-216-049-11		1K	5%		R2082	1-216-805-11	METAL CHIP	47	5%	1/10W
R2014	1-216-049-11	RES-CHIP	1 K	5%	1/10W	R2083	1-216-817-11	METAL CHIP	470	5%	1/10W
R2015	1-216-295-91	SHORT CHIP	0	E0/	4 /4 011/	R2084	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2017	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2085	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2018	1-216-295-91	SHORT CHIP	0			R2086	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2020	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2087	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2023	1-216-853-11	METAL CHIP	470K		1/10W	R2088	1-216-041-00	RES-CHIP	470	5%	1/10W
R2026	1-216-853-11	METAL CHIP	470K		1/10W	R2089	1-216-041-00	RES-CHIP	<b>47</b> 0	5%	1/10W
R2029	1-216-853-11	METAL CHIP	470K		1/10W	R2003	1-216-039-00	RES-CHIP	390	5%	1/10W 1/10W
102020	1 210 000 11	MDITE OIII	17010	070	17 1011	KZUJZ	1-210-035-00	11II)-CIII	390	J70	1/10W
R2032	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2093	1-216-039-00	RES-CHIP	390	5%	1/10W
R2035	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2094	1-216-039-00	RES-CHIP	390	5%	1/10W
R2038	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2095	1-216-039-00	RES-CHIP	390	5%	1/10W
R2041	1-216-853-11	METAL CHIP	470K	5%	1/10W	R2096	1-216-039-00	RES-CHIP	390	5%	1/10W
R2042	1-216-829-11	METAL CHIP	4.7K		1/10W	R2097	1-216-039-00	RES-CHIP	390	5%	1/10W
Door	4 040 000 44	TOWN T CHILD		50/	1 /4 011						
R2043	1-216-829-11	METAL CHIP	4.7K		1/10W	R2098	1-216-049-11		1 K	5%	1/10W
R2044	1-216-853-11	METAL CHIP	470K		1/10W	R2099	1-216-049-11		1K	5%	1/10W
R2047	1-216-853-11	METAL CHIP	470K		1/10W	R2500	1-216-073-91		10K	5%	1/10W
R2048	1-216-837-11	METAL CHIP	22K	5%	1/10W	R2501	1-216-341-11	METAL OXIDE	0.22	5%	1W
R2050	1-216-845-11	METAL CHIP	100K	5%	1/10W	R2502	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R2051	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2503	1-208-810-11	METAL CHIP	15K	በ ደወረ	1/10W
R2052	1-216-837-11	METAL CHIP	22K	5%	1/10W						
R2052 R2053	1-216-864-11	SHORT CHIP	0	J/U	1, 1011	R2504	1-216-049-11		1K	5%	1/10W
R2054	1-216-049-11	RES-CHIP	0 1K	5%	1/10W	R2507	1-216-837-11		22K	5%	1/10W
		RES-CHIP				R2509	1-249-417-11		1K	5%	1/4W
R2055	1-216-049-11	MM-CHIL	1K	5%	1/10W	R2511	1-216-073-91	RES-CHIP	10K	5%	1/10W



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
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R2516	1-216-081-00	RES-CHIP	22K	5%	1/10W	R3219	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R2517	1-216-841-11	METAL CHIP	47K	5%	1/10W	R3220	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2518	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3221	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2519	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3222	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2520	1-216-025-11	RES-CHIP	100	5%	1/10W	R3223	1-216-837-11	METAL CHIP	22K	5%	1/10W
R2524	1-216-833-11	METAL CHIP	10K	5%	1/10W	R3225	1-216-025-11	RES-CHIP	100	5%	1/10W
R2525	1-216-828-11	METAL CHIP	3.9K	5%	1/10W	R3226	1-216-025-11	RES-CHIP	100	5%	1/10W
R2912	1-216-295-91	SHORT CHIP	0			R3229	1-216-025-11	RES-CHIP	100	5%	1/10W
R2914	1-216-853-11	METAL CHIP	470K	5%	1/10W	R3233	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R2921	1-216-295-91	SHORT CHIP	0			R3234	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R2924	1-216-295-91	SHORT CHIP	0			R3235	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2927	1-216-295-91	SHORT CHIP	0			R3236	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2930	1-216-295-91	SHORT CHIP	0			R3237	1-216-797-11	METAL CHIP	10	5%	1/10W
R2933	1-216-295-91	SHORT CHIP	0			R3238	1-216-797-11	METAL CHIP	10	5%	1/10W
R2936	1-216-295-91	SHORT CHIP	0			R3305	1-216-025-11	RES-CHIP	100	5%	1/10W
R2939	1-216-295-91	SHORT CHIP	0			R3306	1-216-025-11	RES-CHIP	100	5%	1/10W
R2939 R2942	1-216-295-91	SHORT CHIP	0			R3312	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
		SHORT CHIP	0			R3313	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2945	1-216-295-91			rn/	1 /1 OW	1		METAL CHIP			
R3000	1-216-025-11	RES-CHIP	100	5% 50/	1/10W	R3314	1-216-825-11		2.2K	5% rn	1/10W
R3001	1-216-022-00	RES-CHIP	75	5%	1/10W	R3318	1-216-025-11	RES-CHIP	100	5%	1/10W
R3009	1-216-025-11	RES-CHIP	100	5%	1/10W	R3319	1-216-025-11	RES-CHIP	100	5%	1/10W
R3010	1-216-022-00	RES-CHIP	75	5%	1/10W	R3320	1-216-025-11	RES-CHIP	100	5%	1/10W
R3011	1-216-025-11	RES-CHIP	100	5%	1/10W	R3403	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R3012	1-216-022-00	RES-CHIP	75	5%	1/10W	R3500	1-216-834-11	METAL CHIP	12K	5%	1/10W
R3013	1-216-025-11	RES-CHIP	100	5%	1/10W	R3501	1-216-834-11	METAL CHIP	12K	5%	1/10W
R3014	1-216-022-00	RES-CHIP	75	5%	1/10W	R3504	1-216-825-11	METAL CHIP	2.2K	504	1/10W
R3014 R3015	1-216-022-00	RES-CHIP	75	5%	1/10W	R3505	1-216-825-11	METAL CHIP	2.2K		1/10W
R3016	1-216-022-00	RES-CHIP	100	5%	1/10W	R3603	1-216-225-11	SHORT CHIP	2.2K ()	J <i>1</i> 0	1/ 10W
R3017	1-216-023-11	RES-CHIP	75	5%	1/10W	R5102	1-210-293-91	METAL CHIP	22K	U 20%	1/10W
R3018		RES-CHIP	100	5%	1/10W	R5102	1-208-814-91	METAL CHIP	270		1/10W
K3018	1-216-025-11	KES-CHIT	100	370	1/10W	K3103	1-210-000-11	MEIAL CHIP	210	U. 3%	1/10W
R3019	1-216-022-00	RES-CHIP	75	5%	1/10W	R5107	1-208-814-91	METAL CHIP	22K		1/10W
R3020	1-216-025-11	RES-CHIP	100	5%	1/10W	R5111	1-208-814-91	METAL CHIP	22K		1/10W
R3021	1-216-022-00	RES-CHIP	75	5%	1/10W	R5112	1-218-875-11	METAL CHIP	15K	0.5%	1/10W
R3022	1-216-025-11	RES-CHIP	100	5%	1/10W	R5118	1-249-411-11	CARBON	330	5%	1/ <b>4</b> W
R3023	1-216-022-00	RES-CHIP	75	5%	1/10W	R5119	1-216-844-11	METAL CHIP	82K	5%	1/10W
R3024	1-216-025-11	RES-CHIP	100	5%	1/10W	R5122	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R3025	1-216-022-00	RES-CHIP	75	5%	1/10W	R5125	1-216-836-11	METAL CHIP	18K	5%	1/10W
R3026	1-216-022-00	RES-CHIP	75	5%	1/10W	R5126	1-249-406-11	CARBON	120	5%	1/4W
R3027	1-216-025-11	RES-CHIP	100	5%	1/10W	R5127	1-216-025-11	RES-CHIP	100	5%	1/10W
R3028	1-216-022-00	RES-CHIP	75	5%	1/10W	R5128	1-216-809-11	METAL CHIP	100	5%	1/10W
R3029	1-216-045-00	RES-CHIP	680	5%	1/10W	R5129	1-216-809-11	METAL CHIP	100	5%	1/10W
R3030	1-216-022-00	RES-CHIP	75	5%	1/10W	R5130	1-216-809-11	METAL CHIP	100	5%	1/10W
R3031	1-216-022-00	RES-CHIP	75	5%	1/10W	R5130	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R3032	1-216-022-00	RES-CHIP	75	5%	1/10W	R5131	1-216-809-11	METAL CHIP	100	5%	1/10W
R3033	1-216-025-11	RES-CHIP	100	5%	1/10W	R5132 R5133	1-216-809-11	METAL CHIP	100	5%	1/10W
Dana	1 216 022 00	DEC CUID	75	E0/	1 /10W	D5197	1 216 OAA 11	METAL CULD	100	E0/	1/10₩
R3034	1-216-022-00	RES-CHIP	75 100	5% 50/	1/10W	R5137	1-216-809-11	METAL CHIP	100	5% =0/	1/10W
R3035	1-216-025-11	RES-CHIP	100	5% = cov	1/10W	R5138	1-216-809-11	METAL CHIP	100	5%	1/10W
R3036	1-216-022-00	RES-CHIP	75 con	5% 50⁄	1/10W	R5139	1-216-821-11	METAL CHIP	1 K	5% 50/	1/10W
R3037	1-216-045-00	RES-CHIP	680	5% 504	1/10W	R5140	1-216-821-11	METAL CHIP	1K	5% 50/	1/10W
R3218	1-216-821-11	METAL CHIP	1 K	5%	1/10W	R5146	1-216-025-11	RES-CHIP	100	5%	1/10W



REF.NO.	PART.NO	DESCRIPTION			REMARK	REF.NO.	PART.NO	DESCRIPTION			REMARK
R5148	1-216-809-11	METAL CHIP	100	5%	1/10W	R5345	1-208-832-11	METAL CHIP	120K	0.5%	1/10W
R5149	1-218-833-11	METAL CHIP	270		1/10W	R5346	1-216-849-11	METAL CHIP	220K		1/10W
R5150	1-249-414-11	CARBON	560	5%	1/4W	R5347	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5151	1-249-454-11	CARBON	3.9	5%	1/4W	R5349	1-216-043-91	RES-CHIP	560	5%	1/10W
R5151	1-249-413-11	CARBON	<b>4</b> 70	5%	1/4W	R5350	1-216-043-31	RES-CHIP	470	5%	1/10W
KJIJZ	1-249-413-11	CAINDUN	410	J/0	1/4W	KJJJU	1-210-041-00	MD-UIII	410	J <i>1</i> 0	1/10W
R5153	1-249-393-11	CARBON	10	5%	1/4W	R5351	1-216-809-11	METAL CHIP	100	5%	1/10W
R5154	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5352	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5155	1-249-421-11	CARBON	2.2K	5%	1/4W	R5400	1-216-849-11	METAL CHIP	220K	5%	1/10W
R5156	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5401	1-216-837-11	METAL CHIP	22K	5%	1/10W
R5157	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5402	1-216-081-00	RES-CHIP	22K	5%	1/10W
R5300	1-208-806-11	METAL CHIP	10K	n 5%	1/10W	R5403	1-216-829-11	METAL CHIP	4.7K	<del>ና</del> የረ	1/10W
R5301	1-216-829-11	METAL CHIP	4.7K	5%	1/10W	R5404	1-216-829-11	METAL CHIP	4.7K		1/10W
			10K		1/10W	R5404 R5405		METAL CHIP	4.7K		1/10W 1/10W
R5302	1-208-806-11	METAL CHIP				1	1-216-829-11				
R5303	1-216-685-11	METAL CHIP	27K		1/10W	R5407	1-216-857-11	METAL CHIP	1M	5%	1/10W
R5304	1-208-806-11	METAL CHIP	10K	U.5%	1/10W	R5408	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5305	1-208-852-11	METAL CHIP	820K	0.5%	1/10W	R5409	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W
R5306	1-208-802-11	METAL CHIP	6.8K	0.5%	1/10W	R5410	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
R5307	1-216-041-00	RES-CHIP	470	5%	1/10W	R5411	1-216-061-91	RES-CHIP	3.3K	5%	1/10W
R5308	1-216-295-91	SHORT CHIP	0			R5413	1-208-802-11	METAL CHIP			1/10W
R5309	1-208-824-11	METAL CHIP	56K	0.5%	1/10W	R5414	1-249-383-11	CARBON	1.5	5%	1/4W
DE 210	1 200 020 11	METAL CULD	100V	U E0/	1 /10₩	DE A1E	1 240 200 11	CADDOM	4.7	5%	1/4W
R5310	1-208-830-11	METAL CHIP			1/10W	R5415	1-249-389-11	CARBON	4.7		
R5311	1-216-045-00	RES-CHIP	680	5%	1/10W	R5416	1-215-888-00	METAL OXIDE	220	5%	2W
R5312	1-208-832-11	METAL CHIP			1/10W	R5417	1-208-798-11	METAL CHIP	4.7K		1/10W
R5314	1-208-840-11	METAL CHIP	270K		1/10W	R5420	1-214-798-21	METAL	1.8	1%	1/2W
R5315	1-216-043-91	RES-CHIP	560	5%	1/10W	R5421	1-214-798-21	METAL	1.8	1%	1/2W
R5316	1-216-057-00	RES-CHIP	2.2K		1/10W	R5804	1-216-049-11	RES-CHIP	1K	5%	1/10W
R5317	1-216-845-11	METAL CHIP	100K	5%	1/10W	R5805	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R5318	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R5806	1-216-089-91	RES-CHIP	47K	5%	1/10W
R5319	1-208-840-11	METAL CHIP	270K	0.5%	1/10W	R5807	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R5320	1-216-833-11	METAL CHIP	10K	5%	1/10W	R5808	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R5321	1-216-837-11	METAL CHID	22K	50%	1/10W	R5809	1-216-073-91	DEC CHID	10K	5%	1/10W
R5321	1-216-820-11	METAL CHIP	820	5%	1/10W	R5865	1-216-841-11	METAL CHIP	47K	5%	1/10W 1/10W
						R5869		METAL CHIP			
R5324	1-208-810-11	METAL CHIP	15K		1/10W	1	1-216-817-11		470	5%	1/10W
R5325	1-208-812-11	METAL CHIP	18K		1/10W	R5871	1-216-850-11	METAL CHIP	270K		1/10W
R5326	1-216-845-11	METAL CHIP	100K	5%	1/10W	R5872	1-216-073-91	RES-CHIP	10K	5%	1/10W
R5327	1-216-472-00	METAL OXIDE	39	5%	3W	R5873	1-216-073-91	RES-CHIP	10K	5%	1/10W
R5328	1-216-033-00	RES-CHIP	220	5%	1/10W	R5875	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5331	1-216-033-00	RES-CHIP	220	5%	1/10W	R5877	1-216-821-11	METAL CHIP	1 K	5%	1/10W
R5332	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R5878	1-216-049-11	RES-CHIP	1 K	5%	1/10W
R5333	1-208-820-11	METAL CHIP	39K		1/10W	R5879	1-216-809-11	METAL CHIP	100	5%	1/10W
R5334	1-208-834-11	METAL CHIP	1 5 N V	U 207	1/10W	R5880	1-216-809-11	METAL CHIP	100	50/.	1/10W
						I .				5% 50/	
R5335	1-208-818-11	METAL CHIP	33K		1/10W	R5881	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5336	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R5882	1-216-833-11	METAL CHIP	10K	5% 5%	1/10W
R5337	1-218-867-11	METAL CHIP		0.5%		R5884	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5338	1-249-413-11	CARBON	<b>47</b> 0	5%	1/4W	R5885	1-216-809-11	METAL CHIP	100	5%	1/10W
R5340	1-216-049-11	RES-CHIP	1K	5%	1/10W	R5887	1-216-809-11	METAL CHIP	100	5%	1/10W
R5341	1-216-089-91	RES-CHIP	47K	5%	1/10W	R5888	1-216-809-11	METAL CHIP	100	5%	1/10W
R5342	1-208-818-11	METAL CHIP	33K		1/10W	R5889	1-208-806-11	METAL CHIP	10K		1/10W
R5343	1-208-808-11	METAL CHIP	12K		1/10W	R5892	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5344	1-208-820-11	METAL CHIP	39K		1/10W	R5895	1-216-833-11	METAL CHIP	10K	5%	1/10W
• • •						1					



REF.NO.	PART.NO	DESCRIPTION	I		REMARK	REF.NO.	PART.NO	DESCRIPTIO	N	REJ	/ARK
		METAL CHIP	8.2K	5%	1/10W	X3200	1-781-946-21	VI BRATOR, CI			
R5898	1-216-832-11	METAL CHIP	8.2N 3.3M		1/10W 1/10W	X5800	1-761-940-21	VI BRATOR, CI			
R5899 R6200	1-216-863-11 1-218-831-11	METAL CHIP	3.3M 220		1/10W 1/10W	VOOLO	1-101-121-11	VIDRAIUK, CI	CKAMIC		
R6201	1-218-839-11	METAL CHIP	470		1/10W	A Boa	rd, Variant Pa	rte /KV-30E	070B)		
R6202		CARBON			1/10W 1/4W	A Boa	u, valialit Fa	115 (117-521	G/OD)		
KOZUZ	1-249-395-11	CARDON	15	5%	17 4W		< TUNER >	•			
R7007	1-216-049-11	RES-CHIP	1 K	5%	1/10W		1011211				
R7018	1-216-025-11	RES-CHIP	100	5%	1/10W	TU1000	8-598-535-20	FRONTEND BTI	F-EF411		
R7023	1-216-834-11	METAL CHIP	12K	5%	1/10W						
R7034	1-216-025-11	RES-CHIP	100	5%	1/10W	A Boar	d, Variant Par	ts (KV-32F0	270E / KV-	32FQ7	0K)
R7035	1-216-025-11	RES-CHIP	100	5%	1/10W		(MINICI)				
D7040	1 910 995 11	DEC CITTO	100	ΕſV	1 /10W		< TUNER >	•			
R7048	1-216-025-11	RES-CHIP	100	5%	1/10W	TU1000	8-598-533-10	FRONTEND BTE	_FC411		
R7050	1-216-833-11	METAL CHIP	10K	5%	1/10W	101000	0 330 333 10	I WHILM DII	LUTII		
R7051	1-216-025-11	RES-CHIP	100	5% 5%	1/10W	A Boar	d, Variant Par	ts (KV-32F0	070U)		
R7052	1-216-025-11	RES-CHIP	100	5%	1/10W		a, ramam car	10 (111 021	00,		
R7053	1-216-049-11	RES-CHIP	1K	5%	1/10W		< TUNER >	•			
R7054	1-216-847-11	METAL CHIP	150K	5%	1/10W						
R7056	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W	TU1000	8-598-529-10	FRONTEND BTF	-EU611		
R7057	1-216-842-11	METAL CHIP	56K	5%	1/10W						***
R7058	1-216-049-11	RES-CHIP	1K	5%	1/10W	* A-13	02-133-A C E	loard, Com	olete		
R7065	1-216-821-11	METAL CHIP	1K	5%	1/10W		4-382-854-01	SCREW (M3X8)	D CW (1)		
DZOCC	1 010 000 11	METAL CULD	100	rov	1 /10W		4-302-034-01	SCIALW (MSAO)	, 1, 3H ( <del>*</del> )		
R7066	1-216-809-11	METAL CHIP	100	5%	1/10W		< CAPACIT	OR >			
R7068	1-218-877-11	METAL CHIP	18K		1/10W						
R7070	1-216-817-11	METAL CHIP	470	5% 50/	1/10W	C7303	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
R7071	1-216-817-11	METAL CHIP	470	5% 50/	1/10W	C7304	1-107-967-11	ELECT	1UF	20.00%	
R7072	1-216-817-11	METAL CHIP	<b>47</b> 0	5%	1/10W	C7305	1-136-207-11	MYLAR	0.047UF	5.00%	
D7072	1 216 041 00	RES-CHIP	470	E0/	1/10W	C7306	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	
R7073 R7074	1-216-041-00 1-216-043-91	RES-CHIP	470 560	5% 5%	1/10W	C7308	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
R7074 R7075	1-216-043-91	METAL CHIP		5%	1/10W						
R7073	1-216-017-11	RES-CHIP	470 470	5%	1/10W	C7309	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R7077	1-216-041-00	RES-CHIP	5 <b>6</b> 0	5%	1/10W	C7310	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V
KIUH	1-210-043-31	NEO-CIII I	300	J/0	1/10W	C7325	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
R7078	1-216-817-11	METAL CHIP	<b>47</b> 0	5%	1/10W	C7326	1-115-416-11	CERAMIC CHIP	0.001UF	5.00%	25V
R7079	1-216-041-00	RES-CHIP	470	5%	1/10W	C7329	1-107-967-11	ELECT	1UF	20.00%	400V
R7073	1-216-043-91	RES-CHIP	560	5%	1/10W						
R7081	1-216-817-11	METAL CHIP	470	5%	1/10W	C7330	1-136-207-11	MYLAR	0.047UF	5.00%	630V
R7082	1-208-782-11	METAL CHIP	1K		1/10W	C7331	1-162-909-11	CERAMIC CHIP	4PF	0.25PF	50V
KI GOL	1-200-702-11	MLITE CITT	IK	0.370	17 1011	C7333	1-164-156-11	CERAMIC CHIP	0.1UF		25V
R7088	1-208-783-11	METAL CHIP	1 1K	0.5%	1/10W	C7334	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V
R7089	1-216-819-11	METAL CHIP	680	5%	1/10W	C7350	1-128-551-11	ELECT	22UF	20.00%	63V
R7090	1-216-819-11	METAL CHIP	680	5%	1/10W						
R7091	1-216-819-11	METAL CHIP	680	5%	1/10W	C7351	1-162-909-11	CERAMIC CHIP		0.25PF	
R7092	1-216-295-91	SHORT CHIP	0	070	1, 100	C7352	1-115-416-11	CERAMIC CHIP		5.00%	
211 005	1 210 200 01	0	Ü			C7354	1-126-947-11	ELECT	47UF	20.00%	
R7093	1-216-295-91	SHORT CHIP	0			C7355	1-107-967-11	ELECT	1UF	20.00%	
R7094	1-216-295-91	SHORT CHIP	0			C7356	1-136-207-11	MYLAR	0.047UF	5.00%	630V
R7095	1-216-295-91	SHORT CHIP	Ö								
R7096	1-216-803-11	METAL CHIP	33	5%	1/10W	C7358	1-162-909-11	CERAMIC CHIP		0.25PF	
R7097	1-216-803-11	METAL CHIP	33	5%	1/10W	C7359	1-164-156-11	CERAMIC CHIP			25V
ALI 001	1 210 000 11	ALLE VIII		5,0	• • · · ·	C7360	1-162-923-11	CERAMIC CHIP	47PF	5.00%	50V
R7098	1-216-803-11	METAL CHIP	33	5%	1/10W	C7378	1-162-116-00	CERAMI C	680PF	10.00%	
7(1 VJU	1 210.000-11	morrati OIIII	00	J/U	1/ 1011	C7379	1-115-350-51	CERAMIC	0.0047UF		2KV
	< CRYSTAL	, >				C7380	1-107-662-11	ELECT	22UF	20.00%	250V
•	. =					C7384	1-107-002-11	CERAMIC CHIP		20.00% 0.50PF	
X2000	1-760-628-11	VI BRATOR, CRY	/STAL			01304	1106-911-11	OFIVARITO CHILL	OI I	U. JUI I'	JUY





REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	N		REMARK
C7385	1-162-913-11	CERAMIC CHIP 8PF	0.50PF 50V	R7325	1-249-417-11	CARBON	1K	5% 1	/4W
C7387	1-162-911-11	CERAMIC CHIP 6PF	0.50PF 50V	R7328	1-216-824-11	METAL CHIP	1.8K	5% 1	/10W
C7388	1-162-913-11	CERAMIC CHIP 8PF	0.50PF 50V	R7329	1-260-095-11	CARBON		5% 1	./2W
C7390	1-162-911-11	CERAMIC CHIP 6PF	0.50PF 50V	R7330	1-215-903-11	METAL OXIDE			?W
C7391	1-162-913-11	CERAMIC CHIP 8PF	0.50PF 50V	R7334	1-216-819-11	METAL CHIP	680	5% 1	/10W
	< CONNECT	TOR >		R7335	1-216-824-11	METAL CHIP	1.8K	5% 1	/10W
				R7350	1-249-417-11	CARBON	1K	5% 1	/4W
CN7300	* 1-564-508-11	PLUG, CONNECTOR 5P		R7356	1-216-824-11	METAL CHIP	1.8K	5% 1	/10W
CN7301	* 1-564-512-11	PLUG, CONNECTOR 9P		R7357	1-260-095-11	CARBON		5% 1	/2W
CN7311	1-695-915-11	TAB (CONTACT)		R7358	1-215-903-11	METAL OXIDE	68K	5% 2	W
CN7333	1-695-915-11	TAB (CONTACT)							
				R7363	1-216-819-11	METAL CHIP			/10W
	< DIODE >	•		R7364	1-216-824-11	METAL CHIP	1.8K		/10W
DERAG	0.510.011.10	DIODE 400440 05		R7373	1-216-823-11	METAL CHIP	1.5K		/10W
D7300	8-719-911-19	DIODE 1SS119-25		R7374	1-216-819-11	METAL CHIP			/10W
D7325	8-719-911-19	DIODE 1SS119-25		R7375	1-216-839-11	METAL CHIP	33K	5% 1	/10W
D7350	8-719-911-19	DIODE 1SS119-25		DZOZO	1 010 000 11	UPTH CITT	101/	F0/ 1	(4.0W
D7375	8-719-991-33	DIODE 1SS133T-77		R7376	1-216-833-11	METAL CHIP			/10W
D7376	8-719-991-33	DIODE 1SS133T-77		R7377	1-216-834-11	METAL CHIP			/10W
D7270	0 710 100 00	DIONE DUE CECTO		R7379	1-216-833-11	METAL CHIP			/10W
D7378	8-719-109-89 8-719-109-89	DIODE RD5.6ESB2 DIODE RD5.6ESB2		R7380	1-216-833-11	METAL CHIP METAL CHIP			/10W
D7379	8-719-109-89	DIONE KDO. GEODZ		R7381	1-216-833-11	METAL CHIP	10K	5% 1	/10W
	< IC >			R7382	1-202-549-00	SOLID	100	20% 1	/2W
				R7383	1-216-349-00	METAL OXIDE	1	5% 1	W
IC7300	8-759-360-83	IC TDA6111Q/N4		R7385	1-202-549-00	SOLID	100	20% 1	/2W
IC7325	8-759-360-83	IC TDA6111Q/N4		R7387	1-247-735-11	CARBON	47	5% 1.	/2W
IC7350	8-759-360-83	IC TDA6111Q/N4		R7389	1-247-881-00	CARBON	120K	5% 1.	/4W
	< SOCKET	>		R7390	1-249-417-11	CARBON	1K	5% 1.	/4W
				R7391	1-216-824-11	METAL CHIP	1.8K	5% 1.	/10W
J7376 J	C* 1-451-544-11	SOCKET, CRT		R7392	1-216-819-11	METAL CHIP			/10W
				R7393	1-216-823-11	METAL CHIP			/10W
	< COIL >			R7394	1-249-417-11	CARBON	1K	5% 1.	/4W
L7375	1-414-928-21	INDUCTOR 1UH		R7395	1-216-824-11	METAL CHIP	1.8K	5% 1.	/10W
L7376 J	E 1-532-637-00	IC LINK 1A		R7396	1-216-819-11	METAL CHIP	680		/10W
L7378	1-414-928-21	INDUCTOR 1UH		R7397	1-216-823-11	METAL CHIP	1.5K	5% 1	/10W
				R7398	1-249-417-11	CARBON	1K	5% 1.	/4W
	< TRANSIS	TOR >		R7399	1-216-824-11	METAL CHIP	1.8K	5% 1.	/10W
Q7350	8-729-901-06	TRANSISTOR DTA144EK			< RESISTO	OR VARIABLE >			
Q7352	8-729-421-19	TRANSISTOR UN2213							
Q7353	8-729-421-19	TRANSISTOR UN2213		RV7375	1-241-656-21	RES, ADJ, ME	TAL FILM	110M	
Q7354 Q7355	8-729-901-06 8-729-421-19	TRANSISTOR DTA144EK TRANSISTOR UN2213		* A-130	2-134-A F1	Board Com	plete		
Q1 000						· · · ·	proto	,	
	< RESISTO	NR >			4-206-220-01 * 4-374-846-01		TTOR CAT	р түрг	
JR7301	1-216-864-11	SHORT CHIP 0					iion, on	. 1111	
			CO/ 1/4W		< CAPACIT	OR >			
R7300	1-249-417-11	CARBON 1K	5% 1/4W	സ്താ	1 104 665 11	EI EM	10010	<b>3</b> 0	0.00/ 251/
R7303	1-216-824-11	METAL CHIP 1.8K	5% 1/10W	C0982 C0983	1-104-665-11 1-102-114-00	ELECT CERAMIC	100UF		.00% 25V .00% 50V
R7304	1-260-095-11	CARBON 470 METAL OXIDE 68K	5% 1/2W 5% 2W	C0984	1-102-114-00	CERAMIC	470PF 0.01UF		.00% 50V .00% 50V
R7305 R7309	1-215-903-11 1-216-824-11	METAL OXIDE 68K METAL CHIP 1.8K	5% 2W 5% 1/10W	C6400	1-102-129-00	CERAMI C	0.010F		.00% 30V .00% 250V
KI OUB	1-710-074-11	METAL CHIT 1.0A	J/0 1/1U#	00100	1-110-064-11	OLIVEIL	v. 0041 UI	. 20.	. 00/0 2001
R7310	1-216-819-11	METAL CHIP 680	5% 1/10W						
			·						

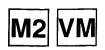
Note: The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.



<u>ref.no.</u>	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	<u> </u>		REMARK
	< CONNECT	TOR >			< RESISTO	OR >			
CN0981	* 1-564-507-11	PLUG. CONNECTOR 4P		JR0901	1-216-864-11	SHORT CHIP	0		
	* 1-580-843-11	PIN, CONNECTOR (POWER)	34	JR2901	1-216-864-11	SHORT CHIP	0		
	* 1-691-291-11	PIN, CONNECTOR (PC BOA		JR2902	1-216-864-11	SHORT CHIP	0		
CN6403	1-695-915-11	TAB (CONTACT)	EU) Ji	J142002	1 210 004 11	SHORT CHIT	U		
CHOTOS	1-030-313-11	IND (CONTACT)		R0901	1-218-867-11	METAL CHIP	6 <b>9</b> K	በ 5%	1/10W
	< DIODE >			R0902	1-216-864-11	SHORT CHIP	0. ok ()	0.5/0	1/ 1011
	< DIODE >			R0911	1-216-833-11	METAL CHIP	10K	5%	1/10W
D0981	8-719-109-89	DIODE RD5.6ESB2		R0912	1-216-835-11	METAL CHIP	15K	5%	1/10W 1/10W
D0983	8-719-109-69	DIODE TLHK5190		R0913	1-216-827-11	METAL CHIP	3.3K		1/10W 1/10W
D0303	0-115-002-12	DIODE THINGISO		10313	1-210-021-11	METAL CHIT	J. JI	J/0	1/ 1011
	< FUSE >			R0914	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
	< r03£ >			R2901	1-210-625-11	CARBON	1.3K 120	5%	1/4W
ecano c	1-576-232-11	FUSE (H.B.C.) 5A/250V	1	R2902	1-249-406-11	CARBON	120	5%	1/4W
	1-570-252-11	The state of the s		R2903	1-249-406-11	CARBON	120	5%	1/4W
r	1-333-123-11	TUSE HOLDER (TO400)	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	R2904	1-249-406-11	CARBON	120	5%	1/4W 1/4W
	< IC >			11/2504	1-742-400-11	CAIADUN	120	J70	1/4/1
	< 10 >			R2909	1-216-853-11	METAL CHIP	470K	5%	1/10W
T (^0001	£ £00 120 01	TO DDW7140 US		R2910	1-216-853-11	METAL CHIP			1/10W 1/10W
IC0981	U-UUU-129-U1	IC RPM7140-H5		R2910 R2917	1-216-821-11	METAL CHIP	470K 1K	5% 5%	1/10W 1/10W
	< RESISTO	מר .		R2917 R2918	1-216-821-11	METAL CHIP	1 K	5% 5%	1/10W 1/10W
	< KD1916	)N >		17210	1-210-021-11	MEIAL UHIT	11/	370	1/1UW
R0982	1-247-807-31 1-202-719-00	CARBON 100 59 SOLID 1M 10			< SWITCH	>			
MO400 T	1-202-113-00	JULID IN IU	A) 1/411	S0900	1-692-431-21	SWITCH, TACT	1112		
	< SWITCH	_		S0900 S0901	1-692-431-21	SWITCH, TACT			
	< SMITCH	,		S0901 S0902	1-092-431-21	SWITCH, TACT			
CCIOO C	1 571 499 91	SWITCH, PUSH (AC POWER	<b>A</b>	S0902 S0903	1-692-431-21	SWITCH, TACT			
JUHUU I	1-3/1-433-21	SHEEDER, FUSE (M. FUNER	<b>J</b>	S0903 S0904	1-092-431-21	SWITCH, TACT			
	< VARISTO	אר .		30304	1-036-431-41	OMITOH, IACH	LLE		
	- ANITOH	M ~		S0905	1_692_431_21	SWITCH, TACT	I F		
VDR6400 J	£ 1-803-830-11	VARISTOR (ERZV14D621)			04-964-A M2				
* A-130	02-135-A H1	Board, Complete		A-14			ibiete		
	< CAPACIT	TOR >			1-540-151-21	·			
C2004	1 100 004 11	CEDANTO CHIED O OOTHE	10 000/ 50V		< CAPACIT	'OR >			
C2904 C2906	1-162-964-11 1-126-960-11	CERAMIC CHIP 0.001UF ELECT 1UF	10.00% 50V 20.00% 50V	C0001	1-107-826-11	CERAMIC CHIP	0 1HE		10.00% 16V
C2906 C2907	1-126-960-11	ELECT 1UF	20.00% 50V 20.00% 50V	C0001	1-107-826-11	CERAMIC CHIP			10.00% 16V 10.00% 16V
C2931	1-120-900-11	CERAMIC CHIP 0.001UF	10.00% 50V	C0002	1-107-820-11	CERAMIC CHIP			10.00% 16V 16V
ULJJI	1-104-304-11	OLIVANIE CIII U.UUIUI	10.00/0 301	C0004 C0006	1-104-300-11		220UF	,	20.00% 16V
	< CONNECT	MR >		C0007	1-120-934-11	CERAMIC CHIP			20.00% 16V 10.00% 16V
	- COMMECT	OA -		00001	1-101-020-11	OPMARTO CHIL	U. 1UI		10.00/0 101
CN2900	1-779-947-11	TERMINAL BLOCK, S		C0008	1-107-826-11	CERAMIC CHIP	n 1m		10.00% 16V
	* 1-564-512-11	PLUG, CONNECTOR 9P		C0009	1-107-020-11	CERAMIC CHIP			10.00% 16V 16V
	* 1-564-509-11	PLUG, CONNECTOR 6P		C0009	1-103-128-11	CERAMIC CHIP			5.00% 50V
UNZJIU	1-204-203-11	LLOU, COMMECTUM UI		C0010 C0012	1-162-924-11	CERAMIC CHIP			5.00% 50V 5.00% 50V
	< DIODE >			C0012	1-164-360-11	CERAMIC CHIP		,	3.00% 30V 16V
	< NIONE >	•		00012	1-104-300-11	ORIVINIE CHIP	U.10L		101
DO908	8_710_022 KA	DIODE MTZJ-T-77-9.1A		C0015	1-135-834-91	CERAMIC CHIP	2 2F.n	ede.	6.3V
100,000	0-113-363-00	այտը այբ1-11-1-11կ		C0015	1-155-654-91	CERAMIC CHIP			16V
	< SOCKET	_		C0010 C0017	1-162-924-11	CERAMIC CHIP			5.00% 50V
	< authorities			C0017	1-162-924-11	CERAMIC CHIP		;	5.00% 50V 16V
J2901	1-750-264-11	TACK		C0019	1-164-300-11	CERAMIC CHIP			5.00% 50V
J Z 301	1-130-204-11	JUOI/		00020	1-102-323-11	CEIMMIT CUIT	7111	•	J.UU70 DUV
				C0021	1-107-826-11	CERAMIC CHIP	O 11TE		10.00% 16V
				C0021	1-107-626-11	CERAMIC CHIP			5.00% 25V
				1 00022	1-115-410-11	CERAMIC CUIL	U.UUIU	r :	J.0070 ZJV



REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	N	REMARK
C0024	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	FB0031	1-414-760-21	FERRITE	OUH	
C0025	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	FB0032	1-414-760-21	FERRITE	OUH	
C0026	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V	1 20002	1 111 100 21	ILIUUIL	0011	
C0027	1-162-962-11	CERAMIC CHIP 470PF	10.00% 50V		< IC >			
C0027	1-102-302-11	ELECT 220UF	20.00% 16V		\ 10 <i>&gt;</i>			
COUZO	1-120-334-11	LLLOI ZZOUI	20.00% 100	IC0001	8-759-699-33	IC M24C16-MN	IGT (A)	
C0029	1-164-360-11	CERAMIC CHIP 0.1UF	16V	IC0001	6-702-515-01	IC SAA5665HI		
C0030	1-164-360-11	CERAMIC CHIP 0.1UF	16V	IC0002	8-759-672-39	IC PST573IMI		
C0031	1-164-360-11	CERAMIC CHIP 0.1UF	16V	IC0003	8-759-665-11	IC LM393DT		
C0032	1-164-360-11	CERAMIC CHIP 0.10F	16V	IC0004	6-702-395-01	IC K6F2008V2	C VE7OT	
C0034	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	100003	0-702-333-01	10 R0F2000V2	E-11/01	
60004	1-113-410-11	CERMIC CIII U.UUIUI	J. 0070 234	IC0006	6-704-221-01	IC M27W201-8	OKE POIDO	
C0035	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	IC0007	8-759-271-86	IC TC7SH04FU		
C0036	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	100007	8-759-392-01	IC TC7SH86FU		
C0037	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	IC0008	8-759-523-81	IC TC74VHC08		
C0038	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	100010	0-733-323-01	10 10/4/11000	rr(tal)	
C0039	1-113-410-11	CERAMIC CHIP 0.1UF	10.00% 16V		< TRANSIS	TYND .		
C0039	1-107-020-11	CENAMIC CHII U.IUI	10.00% 10%		< TRANSIS	< NU10		
C0042	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V	Q0002	8-729-424-08	TRANSISTOR U	N2111	
C0047	1-115-416-11	CERAMIC CHIP 0.001UF	5.00% 25V 5.00% 25V	Q0002 Q0003	8-729-424-08	TRANSISTOR U		
00041	1-110-410-11	CLIVERIC CITT V. OUTOI	J. 00/0 23¥	Q0005 Q0006	8-729-010-29	TRANSISTOR M		
	< CONNECT	YOR ~		00007	8-729-027-44	TRANSISTOR D		16
	< COMMECT	.UN >		Q0007 Q0008	8-729-027-44	TRANSISTOR D		
CN0001	* 1-793-497-11	CONNECTOR, BOARD TO I	AUN UANU	QUUU	0-125-021-44	TIVANOTOTOR D	101141NA-11	40
CN0001	1-817-040-81	PLUG, CONNECTOR 3P	OND 401	Q0009	8-729-027-44	TRANSISTOR D	TC11/ITVA T1	16
CHOOOD	1-017-040-01	TEOG, COMMECTOR SI		Q0003 Q0010	8-729-027-44	TRANSISTOR D		
	< DIODE >			Q0010 Q0011	8-729-010-29	TRANSISTOR M		40
	< DIODE >			00011	8-729-424-08	TRANSISTOR U		
D0001	6-500-079-01	DIODE BAS40-05E6327		Q0012 Q0013	8-729-421-22	TRANSISTOR U		
D0201	8-719-069-55	DIODE UDZSTE-175.6B		Q0013	0-123-421-22	TRANSISTOR U.	112211	
D0201	8-719-069-55	DIODE UDZSTE-175.6B			< RESISTO	iD ~		
D0202	8-719-069-55	DIODE UDZSTE-175.6B			< M21310	M >		
D0203	8-719-069-55	DIODE UDZSTE-175.6B		R0001	1-216-819-11	METAL CHIP	680 5%	1/10W
DULUI	0-710-000-30	DIODE ODESIE-175.OD		R0001	1-216-824-11	METAL CHIP	1.8K 5%	1/10W
D0301	8-719-069-56	DIODE UDZSTE-176.2B		R0002	1-216-809-11	METAL CHIP	1.08 5%	1/10W 1/10W
D0001	0-710-000-30	DIODE ODESIE-170.ED		R0003	1-216-813-11	METAL CHIP	220 5%	1/10W 1/10W
	< FERRITE	READ -		R0004	1-216-809-11	METAL CHIP	100 5%	1/10W
	< ILIMATI	, DUAD >		10011	1-210-003-11	METAL CILI	100 3/0	1/ 10W
FB0003	1-216-864-11	SHORT CHIP 0		R0014	1-216-837-11	METAL CHIP	22K 5%	1/10W
FB0004	1-216-864-11	SHORT CHIP 0		R0014	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0005	1-216-295-91	SHORT CHIP 0		R0017	1-216-843-11	METAL CHIP	68K 5%	1/10W
FB0006	1-412-006-31	INDUCTOR 10UH		R0018	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0007	1-412-006-31	INDUCTOR 100H		R0010	1-216-833-11	METAL CHIP	10K 5%	1/10W
1 100007	1 412 000 31	THEOCTOR TOUR		10013	1-210-055-11	MLIAL GILI	101 370	1/ 1011
FB0008	1-216-295-91	SHORT CHIP 0		R0020	1-216-821-11	METAL CHIP	1K 5%	1/10W
FB0009	1-412-006-31	INDUCTOR 10UH		R0022	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0010	1-216-295-91	SHORT CHIP 0		R0022	1-216-845-11	METAL CHIP	100 5%	1/10W
FB0011	1-216-295-91	SHORT CHIP 0		R0027	1-216-821-11	METAL CHIP	1K 5%	1/10W
FB0012	1-412-006-31	INDUCTOR 10UH		R0028	1-216-833-11	METAL CHIP	10K 5%	1/10W
1 DOVI L	1 112 000-01	INDUCTOR TOUR		10020	1 210 000-11	MEITH VILL	101/ J/0	1/ 1011
FB0015	1-216-295-91	SHORT CHIP 0		R0029	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0016	1-216-295-91	SHORT CHIP 0		R0030	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0017	1-216-295-91	SHORT CHIP 0		R0032	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0018	1-216-295-91	SHORT CHIP 0		R0033	1-216-809-11	METAL CHIP	100 5%	1/10W
FB0019	1-216-864-11	SHORT CHIP 0		R0034	1-218-725-11	METAL CHIP		5 1/10W
- 20010	10 001 11			10001	1 810 160 11		2II V.J/	, 1/100
FB0020	1-216-864-11	SHORT CHIP 0		R0035	1-218-867-11	METAL CHIP	6.8K 0.5%	5 1/10W
FB0021	1-216-864-11	SHORT CHIP 0		R0037	1-216-827-11	METAL CHIP	3.3K 5%	1/10W
FB0022	1-412-006-31	INDUCTOR 10UH		R0039	1-216-809-11	METAL CHIP	100 5%	1/10W
				1				******



REF.NO.	PART.NO	DESCRIPTION	Į		REMARK	REF.NO.	PART.NO	DESCRIPTIO	N	REMARK
R0040	1-216-809-11	METAL CHIP	100	5%	1/10W	R0118	1-216-813-11	METAL CHIP	220 5	% 1/10W
R0041	1-216-825-11	METAL CHIP	2.2K	5%	1/10W	R0119	1-216-813-11	METAL CHIP		% 1/10W
R0042	1-218-867-11	METAL CHIP			1/10W	R0120	1-216-813-11	METAL CHIP		% 1/10W
R0043	1-216-803-11	METAL CHIP	33	5%	1/10W	R0121	1-216-813-11	METAL CHIP	220 5	
R0044	1-216-809-11	METAL CHIP	100	5%	1/10W	R0122	1-216-813-11	METAL CHIP	220 5	
R0045	1-216-803-11	METAL CHIP	33	5%	1/10W	R0123	1-216-813-11	METAL CHIP	220 5	% 1/10W
R0045	1-216-803-11	METAL CHIP	33	5%	1/10W 1/10W	1		METAL CHIP		
		METAL CHIP			1/10W 1/10W	R0301	1-216-833-11		10K 5	
R0047	1-216-810-11	METAL CHIP	120	5% 50/		R0302	1-216-833-11	METAL CHIP	10K 5	
R0048	1-216-809-11		100	5%	1/10W	R0303	1-216-836-11	METAL CHIP	18K 5	
R0049	1-216-833-11	METAL CHIP	10K	5%	1/10W	R0304	1-218-867-11	METAL CHIP	0.8K U	.5% 1/10W
R0050	1-216-810-11	METAL CHIP	120	5%	1/10W		< RESIST	OR CHIP >		
R0051	1-216-835-11	METAL CHIP	15K	5%	1/10W					
R0052	1-216-810-11	METAL CHIP	120	5%	1/10W	RB0101				
R0053	1-216-809-11	METAL CHIP	100	5%	1/10W	RB0102	1-233-411-11	RES, CHIP NE	TWORK 220	(3216)
R0054	1-216-809-11	METAL CHIP	100	5%	1/10W	RB0103	1-233-411-11	RES, CHIP NE	TWORK 220	(3216)
						RB0104	1-233-411-11	RES, CHIP NE	TWORK 220	(3216)
R0055	1-216-809-11	METAL CHIP	100	5%	1/10W	RB0105	1-233-411-11	RES, CHIP NE	TWORK 220	(3216)
R0056	1-216-833-11	METAL CHIP	10K	5%	1/10W					
R0057	1-216-809-11	METAL CHIP	100	5%	1/10W	RB0107	1-233-411-11	RES, CHIP NE	TWORK 220	(3216)
R0058	1-216-823-11	METAL CHIP	1.5K	5%	1/10W	RB0108	1 ?33-411-11	RES, CHIP NE	TWORK 220	(3216)
R0059	1-216-841-11	METAL CHIP	47K	5%	1/10W		CDI POTE LI			
R0060	1-216-833-11	METAL CHIP	10K	5%	1/10W		< CRYSTAI	. >		
RO061	1-216-833-11	METAL CHIP	10K	5%	1/10W	X0001	1_578_774_71	VI BRATOR, CR	TATZY	
RO062	1-216-833-11	METAL CHIP	10K	5%	1/10W	A0001	1 310 711 11	VIDIVITOR, CR	10111	
R0063	1-216-833-11	METAL CHIP	10K	5%	1/10W	* A-1	300-627-A VM	Board Cor	nnlete	
RO064	1-216-833-11	METAL CHIP	10K	5%	1/10W		000 027 A VIII	Board, Cor	npicto	
NOUT	1-210-033-11	MLIAL (IIII	1010	370	1/ 101/		4-382-854-01	SCREW (M3X8)	P SW (4	-)
RO065	1-216-833-11	METAL CHIP	10K	5%	1/10W		1 002 001 01	COLETT (MOTIO)	, 1, 0" (	,
R0066	1-218-871-11	METAL CHIP	10K		1/10W		< CAPACIT	mr >		
R0067	1-216-833-11	METAL CHIP	10K	5%	1/10W		· Oil fiori	.01( -		
R0068	1-216-833-11	METAL CHIP	10K	5%	1/10W	C7401	1-126-935-11	ELECT	470UF	20.00% 16V
RO069	1-216-833-11	METAL CHIP	10K	5%	1/10W	C7403	1-126-935-11	ELECT	470UF	20.00% 16V
110000	1 210 000 11	MEITE CHIT	1010	070	17 1017	C7404	1-115-339-11	CERAMIC CHIP		10.00% 50V
RO070	1-216-809-11	METAL CHIP	100	5%	1/10W	C7405	1-126-933-11		100UF	20.00% 1 6V
R0071	1-216-809-11	METAL CHIP	100	5%	1/10W	C7406	1-126-935-11	ELECT	470UF	20.00% 1 6V
R0072	1-216-809-11	METAL CHIP	100	5%	1/10W	0.100	1 150 000 11	LLLO1	11001	20.00/01/01
R0073	1-216-809-11	METAL CHIP	100	5%	1/10W	C7407	1-107-364-11	MYLAR	0.01UF	10.00% 200V
RO074	1-216-809-11	METAL CHIP	100	5%	1/10W	C7408	1-107-364-11	MYLAR	0.01UF	10.00% 200V
NOUT	1-210-003-11	mLIML CMI	100	370	1/ 101/	C7409	1-107-649-11	ELECT	2.2UF	20.00% 250V
RO075	1-216-809-11	METAL CHIP	100	5%	1/10W	C7410	1-130-471-00	MYLAR	0.001UF	5.00% 5 <b>0</b> V
RO076	1-216-821-11	METAL CHIP	1K	5%	1/10W	C7411	1-130-471-00	MYLAR	0.001UF	5.00% 50V
RO078	1-216-817-11	METAL CHIP	470	5%	1/10W	01411	1-130-4/1-00	WITIAM	0.00101	J. 00% JOY
RO079	1-216-829-11	METAL CHIP	4.7K		1/10W 1/10W	C7412	1-126-935-11	ELECT	470UF	20.00% 1 <b>6</b> V
				J70	1/10W	C7412	1-126-935-11			
RO082	1-216-864-11	SHORT CHIP	0			C7413	1-120-955-11	ELECT ELECT	470UF 10UF	20.00% 16V
D0.002	1 216 000 11	METAT CITED	100	E0/	1 /10W	C7414 C7415				20.00% 250V
RO083	1-216-809-11	METAL CHIP	100	5% 50/	1/10W	1	1-107-363-91	MYLAR	0.0068UF	10.00% 2 <b>0</b> 0V
RO084	1-216-809-11	METAL CHIP	100	5% 50	1/10W	C7418	1-163-021-91	CERAMIC CHIP	U.UIUF	10.00% 5 <b>O</b> V
RO110	1-216-813-11	METAL CHIP	220	5%	1/10W	07401	1 100 004 44	CEDANTO OUTP	100PF	r 000/ 20V
R0111	1-216-813-11	METAL CHIP	220	5%	1/10W	C7421	1-163-251-11	CEKAMIC CHIP	1UUPF	5.00% 5 <b>O</b> V
RO112	1-216-813-11	METAL CHIP	220	5%	1/10W		< CONNECT	OR >		
RO113	1-216-813-11	METAL CHIP	220	5%	1/10W		- COMPLOI	vat *		
RO113	1-216-813-11	METAL CHIP	220	5%	1/10W	CN7442	* 1-564-508-11	PLUG, CONNEC	TOR SP	
RO114 RO115	1-216-813-11	METAL CHIP	220	5%	1/10W	CN7442 CN7443	* 1-564-506-11	PLUG, CONNEC		
RO115 RO116	1-216-813-11	METAL CHIP	220	5%	1/10W	CN7443	* 1-770-723-11	CONNECTOR, BO		APN 8P
RO117	1-216-813-11	METAL CHIP	220	5%	1/10W 1/10W	0111111	1 110-120-11	COMMECTOR, DO	חמ סו שוניט	IND OI
MIII	1-710-019-11	MEINL VIIII	<b>LZU</b>	J/0	1/ 100	1				



REF.NO.	PART.NO	DESCRIPTION		REMARK	(	REF.NO.	PART.NO	DESCRIPTION	l		REMARK
11111111	< DIODE >				-	R7420	1-249-421-11	CARBON	2.2K	5%	1/4W
	< DIODE >	•				R7421	1-249-389-11	CARBON	4.7	5%	1/4W
D7400	0.710.001.22	DIADE 100122T	77			R7422	1-249-405-11	CARBON	100	5%	1/4W
D7400	8-719-991-33	DIODE 1SS133T				R7423	1-215-915-11	METAL OXIDE	470	5%	3W
D7401	8-719-991-33	DIODE 1SS133T				R7427	1-216-025-11	RES-CHIP	100	5%	1/10W
D7402	1-535-303-00	LEAD, JUMPER		•		MIL	1 210 023 11	KLO-GIII	100	070	1/ 10#
D7403	8-719-991-33	DIODE 1SS133T				R7428	1-216-033-00	RES-CHIP	220	5%	1/10W
D7404	8-719-991-33	DIODE 1SS133T	-11			R7429	1-216-033-00	RES-CHIP	220	5%	1/10W
D7.10F	0 710 004 11	DIODE MT71 T	77 22			R7432	1-216-065-91	RES-CHIP	4.7K		1/10W
D7405	8-719-924-11	DIODE MTZJ-T-				R7433	1-249-395-11	CARBON	15	5%	1/4W
D7406	8-719-924-11	DIODE MTZJ-T-	11-22			R7434	1-249-395-11	CARBON	15	5%	1/4W
	< FERRITE	DEAD .				101	1 210 000 11	O/MOON	10	070	17 10
	< rekkiii	DEAU >				R7435	1-216-031-00	RES-CHIP	180	5%	1/10W
ED7400	1 525 202 00	TEAD HIMDED	(E UNU)			R7436	1-216-049-11	RES-CHIP	1K	5%	1/10W
FB7400	1-535-303-00	LEAD, JUMPER	(5.0MM)			100	1 210 010 11	MD OILT	11/	370	17 1017
FB7401	1-535-303-00	LEAD, JUMPER	(5.0MM)								
	< COIL >										
	VVII										
L7400	1-414-934-21	INDUCTOR	10UH								
L7402	1-414-934-21	INDUCTOR	10UH								
L7403	1-414-934-21	INDUCTOR	10UH								
	< TRANSIS	TOR >									
Q7400	8-729-010-29	TRANSISTOR MS	D601_RST	ገ							
Q7401	8-729-010-29	TRANSISTOR MS									
Q7402	8-729-010-29	TRANSISTOR MS									
Q7403	8-729-119-78	TRANSISTOR 2S									
Q7404	8-729-026-49	TRANSISTOR 2S									
Q7 101	0 720 020 10	TREE TOTOR LO	11007711	1110 1							
Q7405	8-729-026-39	TRANSISTOR 2S	A933AS-(	Л							
Q7406	8-729-045-05	TRANSISTOR 2S									
Q7407	8-729-045-04	TRANSISTOR 2S									
Q7408	8-729-026-49	TRANSISTOR 2S	A1037AK-	T146-R							
Q7409	8-729-010-29	TRANSISTOR MS									
	< RESISTO	IR >									
R7400	1-216-017-91	RES-CHIP	47 5	% 1/10W							
R7401	1-216-061-91	RES-CHIP		% 1/10W							
R7402	1-216-041-00	RES-CHIP		% 1/10W							
R7403	1-249-393-11	CARBON		% 1/4W							
R7404	1-249-413-11	CARBON		% 1/4W							
R7405	1-216-065-91	RES-CHIP	4.7K 5	% 1/10W							
R7407	1-249-411-11	CARBON		% 1/4W							
R7409	1-216-029-00	RES-CHIP		% 1/10W							
R7410	1-216-017-91	RES-CHIP		% 1/10W							
R7411	1-216-017-91	RES-CHIP		% 1/10W							
R7412	1-216-017-91	RES-CHIP		% 1/10W							
R7413	1-249-414-11	CARBON		% 1/4W							
R7414	1-249-432-11	CARBON	18K 5	% 1/4W							
R7415	1-247-739-11	CARBON	100 5	% 1/2W							
R7416	1-249-389-11	CARBON	4.7 5	% 1/4W							
		0.177		4 380							
R7417	1-249-432-11	CARBON		% 1/4W							
R7418	1-249-414-11	CARBON		% 1/4W							
R7419	1-249-421-11	CARBON	2.2K 5	% 1/4W							

Note: The components identified by shading and marked ∆ are critical for safety. Replace only with the part numbers specified in the parts list.

REF.NO.	PART.NO	DESCRIPTION	REMARK	REF.NO.	PART.NO	DESCRIPTION	REMARK

#### MISCELLANEOUS

- £ 1-571-433-21 SWITCH, PUSH (AC POWER)
- £ 1-823-853-11 CORD, POWER (KV-32FFQ70B/32FFQ70E/32FFQ70K)
- £ 1-776-860-11 POWER CORD, FILTER (UK) (KV-32FQ70U)
  - 1-424-855-11 COLL, CHOKE 29MMH
  - 8-598-535-20 FRONTEND BTF-EF411 (KV-32FQ70B)
  - 8-598-533-10 FRONTEND BTF-EC411 (KV-32F070E/32F070K)
  - 8-598-529-10 FRONTEND BTF-EU611 (KV-32FQ70U)
- £ 1-453-444-11 TRANSFORMER ASSY, FLYBACK (NX-6020//Z2B4)
  - 1-529-408-11 SPEAKER (4.2X24CM)
  - 1-529-417-11 SPEAKER (8CM)
- £ 1-451-480-22 DEFLECTION YOKE (Y32RVC2)
  - 1-419-363-11 COIL, NA ROTATION
  - £ 8-453-011-11 NECK ASSY, (NA299-M)
    - £ 1-424-888-11 COIL, DEGAUSSING
    - £ 1-251-374-33 CAP ASSY, HIGH VOLTAGE
- £ 8-735-079-05 PICTURE TUBE (W76LLZ060X)
  - 1-452-094-00 MAGNET, ROTATABLE DISK; 15MM
  - 1-452-032-00 MAGNET, DISK; 10MM

#### **ACCESSORIES AND PACKAGING MATERIALS**

- \*4-046-772-01 BAG, PROTECTION
- \*4-087-594-01 INDIVIDUAL CARTON
- \*4-094-270-01 CUSHION UPPER
- \*4-094-271-01 CUSHION LOWER
- 4-093-901-41 MANUAL, INSTRUCTION (KV-32FQ70B) (GERMAN/ITALIAN/FRENCH/DUTCH)
- 4-093-901-51 MANUAL, INSTRUCTION (KV-32FQ70B) (ENGLISH)
- 4-093-901-11 MANUAL, INSTRUCTION (KV-32FQ70E) (GERMAN/TURKISH/GREEK)
- 4-093-901-21 MANUAL, INSTRUCTION (KV-32FQ70E) (ITALIAN)
- 4-093-901-31 MANUAL, INSTRUCTION (KV-32FQ70E)
  (NORWEGIAN/PORTUGUESE/SWEDISH/FINNISH/
  - DANISH/SPANISH)
- 4-093-901-71 MANUAL, INSTRUCTION (KV-32FQ70K)
  - (BULGARIAN/CZECH/ENGLISH/HUNGARIAN/
  - RUSSIAN/POLISH)
- 4-093-901-61 MANUAL, INSTRUCTION (KV-32FQ70U) (ENGLISH)

#### REMOTE COMMANDER

1-477-259-13 REMOTE COMMANDER (RM-938)